ACToR: Aggregated Computational Toxicology Resource

ACToR Database: actor_2012q1
ToxRefDB Database: toxrefdb_2010q1b

HNNNN

GCID 44615

MESH DESCRIPTION Plant Growth Regulators : Plant Growth Regulators

CASRN 1214-39-7 FORMULA C12H11N5 MW 225.2492

SMILES c1ccc(cc1)CNc2c-3ncnc3nc[nH]2 SOURCE DSSTOX

Synonyms

"1H-Purin-6-amine, N-(phenylmethyl)-"

"6-Benzylaminopurine'

"Adenine, N-benzyl-"

"Benzyladenine

"N-(Phenylmethyl)-1H-purin-6-amine"

"N-benzyladenine, monopotassium salt"

"N-benzyladenine, monosodium salt"

"N6-Benzyladenine"

((2r, 3s, 4r, 5r) - 5 - (4-amino-2-oxopyrimidin-1(2h)-yl) - 3, 4-dihydroxytetrahydrofuran-2-yl) methyltriphosphallar ((2h)-yl) - 3, 4-dihydroxytetrahyd

1214-39-7

124786-41-0

1H-PURIN-6-AMINE, N-(PHENYLMETHYL)-

3458-19-3

6-(Benzylamino)purine

6-(n-benzyl)aminopurine

6-(N-Benzylamino)purine

6-BA

6-BA cpd

6-BAP

6-Benzyl adenine

6-Benzyl aminopurine

6-Benzyladenine

6-benzyladenine 6-benzylaminopurine

6-Benzylaminopurine

6-Benzylaminopurine (N6-Benzuladenine)

6-Benzylaminopurine; Benzyl Kinetin

9H-Purin-6-amine, N-(phenylmethyl)-

ABG 3034

Adenine, N(sup 6)-benzyl-

Adenine, N-benzyl-

Adenine, N-benzyl- (8CI)

Aminopurine, 6-benzyl

ВА

BA (Growth stimulant)

BA (growth stimulator)

BAP

BAP (cytokinin)

BAP (growth stimulant)

benzyl(purin-6-yl)amine

benzyl-(7h-purin-6-yl)-amine

BENZYLADENINE

Benzylaminopurine

benzylaminopurine, 6-

C11263

Caswell No. 081EE

CCRIS 4351

Cytokinin B

Cytokinins

Cytokinins 3/

EINECS 214-927-5

EPA Pesticide Chemical Code 116901

n(6)-benzyladenine

N(6)-Benzylaminopurine

N(sup 6)-(Benzylamino)purine

N(sup 6)-Benzyladenine

N-(Phenylmethyl)-1h-purin-6-amine

N-(Phenylmethyl)-1H-purin-6-amine[United States Environmental Protection Agency/ Prevention

N-6-Benzyladenine

N-benzvl-1H-purin-6-amine

N-Benzyl-9H-purin-6-amine; N6-Benzyladenine; Aminopurine, 6-benzyl

N-benzyladenine

N6 -Benzyladenine

N6-BENZYL ADENINE

N6-Benzyladenine

n6-benzylaminopurine NSC 40818 NSC40818 NULL PC Code 116801 PC Code 116901 Prestwick_414 Pro-Shear S Code 763 SD 4901 USEPA/OPP Pesticide Code: 116901[National Pesticide Information Retrieval System's USEPA/OPP Chemical Ingredients Database on Benzyladenine (1214-39-7). Available from Verdan senescence inhibitor ZINC00043479 **Toxicology Data** Hazard ABC (American Bird Conservancy) Pesticide Toxicity Data Table Result group: Value Component Name If extrapolated, # species. Pesticide type Plant growth regulator Canada Domestic Substance List (2007) Result group: Component Name Value Bioaccumulative Inherently Toxic to Aquatic Organisms No Meets CEPA Categorization Criteria No Meets Environmental Criteria for Categorization No Meets Human Health Criteria No Persistent No Substance category **Organics** EPA Biopesticide Fact Sheets URL Result group: Value Component Name EPA Pesticide Fact Sheet (PFS) Biopesticide URL EPA Pesticide Reregistration Eligibility Decision (RED) Factsheet URL External Link Scorecard URLs Result group: Value Component Name Scorecard URL External Link Result group: Component Name Value External Link Scorecard URL Scorecard Health Effects Summaries Result group: Value Component Name Health Impact Type Suspected Neurotoxicant **RTECS** References Result group: Component Name Value Health Impact Type Suspected Skin Or Sense Organ Toxicant RTECS References NLM TOXNET HSDB URL Result group: Value Component Name HSDB URL NLM TOXNET HSDB Hazard Information Result group: Value Component Name Causes eye irritation /6-Benzylaminopurine Technical/[NCA Biotech, Inc; Product Safety Sheet for 6-Benzylaminopurine Technical for manufacturing, reformulating or compounding use only. (July 27, 2007) Available from, as of November 3, 2008: http://www.epa.gov/pesticides/pestlabels/] **PEER REVIEWED** SERI - SKIN EYE AND RESPIRATORY IRRITATIONS Result group: Component Name Value The Agencys Worker Protection Standard (WPS) sets standards for Personal Protective Equipment (PPE) for pesticide products based on the acute toxicity of the end-use product. Because the formulated products which contain N6-benzyladenine are in toxicity category II, the use of the following PPE is required: coveralls over short-sheeved shirt and short pants; chemical-resistant flootwear plus socksl chemical-resistant gloves; chemical-resistant headgear for overhead exposure; respiratory protection devices; protective eyewear; and chemical-resistant apron when cleaning equipment, mixing, or loading.[USEPA; Reregistration Eligibility Decision (RED) Database for N6 Benzyladenine (1214-39-71) p.8 (June 1994). Available from, as of October 17, 2008: http://www.epa.gov/opp00001/reregistration/status_page_n.htm] **PEER REVIEWED** **EQUP - PROTECTIVE EQUIPMENT & CLOTHING** Result group: Component Name Value

	EQUP - PROTECTIVE EQUIPMENT & CLOTHING	The use of a respirator and chemical-resistant gloves is also expected to adequately protect the applicator and mixer/loader The primary route of exposure is expected to be dermal. Chemical-resistant gloves and appropriate respiratory protection devices will mitigate the exposure substantially and adequately,IUSEPA; Reregistration Eligibility Decision (RED) Database for N6 Benzyladenine (1214-39-7) p.8 (June 1994). Available from, as of October 17, 2008: http://www.epa.gov/opp00001/reregistration/status_page_n.htm] **PEER REVIEWED**
Result group:		
	Component Name EQUP - PROTECTIVE EQUIPMENT & CLOTHING	AGRICULTURAL USE REQUIREMENTS. Use this product only in accordance with its labelling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides It contains requirements for training, decontamination, notification and emergency assistance It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE) and restricted entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as, plants, soil or water is: Coveralis; Shoes plus socks; Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton. /Configure(Flien Agrochemicals Ltd; Product Label for Configure (June 11, 2007) Available from, as of November 3, 2008;
5 "		http://www.epa.gov/pesticides/pestlabels/] **PEER REVIEWED**
Result group:	Component Name	Value
	EQUP - PROTECTIVE EQUIPMENT & CLOTHING	Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical-resistance selection chart. Applicators and other handlers must wear: Longsleeved shirt and long pants: Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or.viton; Socks and shoes. Follow the manufacturers instructions for cleaning/maintaining PPE. If no such instructions for yoshables, use detergent and hot water. Keep and wash PPE items separately from other laundry. /Configure/[Fine Agrochemicals Ltd; Product Label for Configure (June 11, 2007) Available from, as of November 3, 2008: http://www.epa.gov/pesticides/pestlabels/] **PEER REVIEWED**
Result group:	Commonwell Name	Value
	Component Name OPRM - OTHER PREVENTIVE MEASURES	Nature SRP: The scientific literature for the use of contact lenses in industry is conflicting. The benefit or detrimental effects of wearing contact lenses depend not only upon the substance, but also on factors including the form of the substance, characteristics and duration of the exposure, the uses of other eye protection equipment, and the hygiene of the lenses. However, there may be individual substances whose irritating or corrosive properties are such that the wearing of contact lenses would be harmful to the eye. In those specific cases, contact lenses should not be worn. In any event, the usual eye protection equipment should be worn even when contact lenses are in place. "PEER REVIEWED*"
Result group:		
	Component Name OPRM - OTHER PREVENTIVE MEASURES	The Worker Protection Standard requires a Restricted Entry Interval (REI) of 12 hours for pesticide active ingredients /such as N6-benzyladenine/ with acute dermal toxicity and skin and eye irritation in toxicity categories III and IV.[USEPA; Reregistration Eligibility Decision (RED) Database for N6 Benzyladenine (1214-39-7) p.8 (June 1994). Available from, as of October 17, 2008: http://www.epa.gov/opp00001/reregistration/status_page_n.htm] **PEER REVIEWED**
Result group:		
Deput group	Component Name OPRM - OTHER PREVENTIVE MEASURES	Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. /Configure/[Fine Agrochemicals Ltd; Product Label for Configure (June 11, 2007) Available from, as of November 3, 2008: http://www.epa.gov/pesticides/pestlabels/] **PEER REVIEWED**
Result group:	Component Name	Value
	OPRM - OTHER PREVENTIVE MEASURES	If on skin or clothing take off contaminated clothing and rinse skin immediately with plenty of water for 15-20 minutes. /Configure/[Fine Agrochemicals Ltd; Product Label for Configure (June 11, 2007) Available from, as of November 3, 2008: http://www.epa.gov/pesticides/pestlabels/] **PEER REVIEWED**
Result group:	Component Name	Value
Paget	Component Name OPRM - OTHER PREVENTIVE MEASURES	SRP: Contaminated protective clothing should be segregated in such a manner so that there is no direct personal contact by personnel who handle, dispose, or clean the clothing. Quality assurance to ascertain the completeness of the cleaning procedures should be implemented before the decontaminated protective clothing is returned for reuse by the workers. Contaminated clothing should not be taken home at end of shift, but should remain at employees place of work for cleaning. **PEER REVIEWED**
Result group:	Component Name	Value
Result group:	OPRM - OTHER PREVENTIVE MEASURES	Avoid contact with eyes and clothing. Harmful if inhaled. Avoid breathing spray dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. /6-Benzylaminopurine Technical/INCA Biotech, Inc.; Product Safety Sheet for 6-Benzylaminopurine Technical for manufacturing, reformulating or compounding use only. (July 27, 2007) Available from, as of November 3, 2008: http://www.epa.gov/pesticides/pestlabels/] **PEER REVIEWED**
	Component Name STRG - STORAGE CONDITIONS	Value Do not contaminate water, food, or feed by storage and disposal. PESTICIDE STORAGE: Keep containers tightly closed when not in use. /6- Benzylaminopurine Technical/NCA Biotech, Inc; Product Safety Sheet for 6- Benzylaminopurine Technical for manufacturing, reformulating or compounding use only. (July 27, 2007) Available from, as of November 3, 2008: http://www.epa.gov/pesticides/pestlabels/] **PEER REVIEWED**
Result group:	Component Name	Value

DISP -	DISE	OSAL	MET	HODS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. CONTAINER DISPOSAL: Completely empty bag into manufacturing equipment. Then dispose of empty bag in /accordance with Federal, state, and local laws/. /6-Benzylaminopurine Technical/INCA Biotech, Inc: Product Safety Sheet for 6-Benzylaminopurine Technical for manufacturing, reformulating or compounding use only. (July 27, 2007) Available from, as of November 3, 2008: http://www.epa.gov/pesticides/pestlabels/] **PEER REVIEWED***

Result group

Component Name Value Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your Regional Office of the EPA. Do not contaminate water when disposing of equipment washwaters. /6-Benzylaminopurine Technical/INCA Biotech, Inc; Product Safety Sheet for 6-Benzylaminopurine Technical for manufacturing, reformulating or compounding use only. (July 27, 2007) Available from, as of November 3, 2008: http://www.epa.gov/pesticides/pestlabels/] **PEER REVIEWED** **DISP - DISPOSAL METHODS**

Result group:

Component Name Value For terrestrial uses. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate...Do not apply this product through any type of irrigation system. /Configure/[Fine Agrochemicals Ltd; Product Label for Configure (June 11, 2007) Available from, as of November 3, 2008: http://www.epa.gov/pesticides/pestlabels/] **PEER REVIEWED*** DISP - DISPOSAL METHODS

Result group:

Component Name Value DISP - DISPOSAL METHODS

SKP: I he most favorable course of action is to use an alternative chemical product with less inherent propensity for occupational exposure or environmental contamination. Recycle any unused portion of the material for its approved use or return it to the manufacturer or supplier. Ultimate disposal of the chemical must consider: the materials impact on air quality; potential migration in soil or water; effects on animal, aquatic, and plant life; and conformance with environmental and public health regulations. **PEER REVIEWED**

Result group:

Component Name Value

/SRP:/ Immediate first aid: Ensure that adequate decontamination has been carried out. If patient is not breathing, start artificial respiration, preferably with a demand valve resuscitator, bag-valve-mask device, or pocket mask, as trained. Perform CPR if necessary. Immediately flush contaminated eyes with gently flowing water. Do not induce vomiting. If vomiting occurs, lean patient forward or place on the left side (head-down position, if possible) to maintain an open airway and prevent aspiration. Keep patient quiet and maintain normal body temperature. Obtain medical attention. /Poisons A and B/[Currance, P.L. Clements, B., Bronstein, A.C. (Eds); Emergency Care For Hazardous Materials Exposure. 3Rd edition, Elsevier Mosby, St. Louis, MO 2005, p. 160] **PEER REVIEWED***

Result group:

Component Name Value

ANTR - ANTIDOTE AND EMERGENCY TREATMENT

Result group:

Component Name Value

ANTR - ANTIDOTE AND EMERGENCY TREATMENT

ANTR - ANTIDOTE AND EMERGENCY TREATMENT

/SRP:/ Advanced treatment: Consider orotracheal or nasotracheal intubation /SRP:/ Advanced treatment: Consider orotracheal or nasotracheal intubation for airway control in the patient who is unconscious, has severe pulmonary edema, or is in severe respiratory distress. Positive-pressure ventilation techniques with a bag valve mask device may be beneficial. Consider drug therapy for pulmonary edema ... Consider administering a beta agonist such as albuterol for severe bronchospasm Monitor cardiac rhythm and treat arrhythmias as necessary Start IV administration of DSW /SRP: To keep open, minimal flow rate! Use 0.9% saline (NS) or lactated Ringers if signs of hypovolemia are present. For hypotension with signs of hypovolemia, administer fluid cautiously. Watch for signs of fluid overload ... Treat seizures with diazepam or lorazepam ... Use proparacaine hydrochloride to assist eye irrigation /Poisons A and B/[Currance, P.L. Clements, B., Bronstein, A.C. (Eds).; Emergency Care For Hazardous Materials Exposure. 3Rd edition, Elsevier Mosby, St. Louis, MO 2005, p. 160-1] **PEER REVIEWED**

Result group:

Component Name LABORATORY ANIMALS: Acute Exposure/ Benzyladenine suspended in 0.5% Methocel was tested in an acute oral toxicity study at doses of 0.94 to 3.0 g/kg in rats. ... Signs of toxicity included decreased activity, ataxia, dyspnea and tremors. In an acute dermal toxicity test, 2/20 males and 2/20 female rabbits died after a single dermal dose of 5 g/kg of N-6 benzyladenine, which produced symptoms of ataxia, decreased activity, tremors, paresis and dyspnea. [USEPA; Reregistration Eligibility Decision (RED) Database for N6 Benzyladenine (1214-39-7). (June 1994). Available from, as of October 17, 2008: http://www.epa.gov/opp00001/reregistration/status_page_n.htm] **PEER REVIEWED** NTOX - NON-HUMAN TOXICITY EXCERPTS

Result group:

Component Name Value

NTOX - NON-HUMAN TOXICITY EXCERPTS

/LABORATORY ANIMALS: Acute Exposure/ 6-Benzyl adenine (99.0% pure) was administered as a dust by whole body inhalation at analytical concentrations of 1.2, 4.7, 6.2, 4.6 or 7.4 mg/L for a single 4 hour exposure to 5 Sprague-Dawley CD rats/sex/group. Data from the 4.7 and 7.4 mg/L were excluded due to the high variability /concentrations measured/ in samples. Animals were observed for 14 days. Labored breathing was the most notable sign for all groups except for group V (1.2 mg/L). The mass median aerodynamic diameter ranged from 2.6 to 6.2 micrometers and the geometric standard deviation ranged from 2.0 to 5.7 micrometers. At least 68% of particles were 10 micrometers or less, California Environmental Protection Agency/Department of Pesticide Regulation; SUMMARY OF TOXICOLOGY DATA CYTOKININ and 6-Benzyladenine [Promalin] p. 6 (2002). Available from, as of October 14, 2008: http://www.cdpr.ca.gov/docs/risk/toxsums/pdfs/2082.pdf] **PEER REVIEWED**

Result group

Component Name Value NTOX - NON-HUMAN TOXICITY EXCERPTS

Result group:

Component Name Value /LABORATORY ANIMALS: Acute Exposure/ 6-Benzyladenine, at a concentration of 25% (w/v in acetone), was applied dermally (6 hrs) to 10 guinea pigs/sex (induction 3x + challengel x) and 5 Guinea pigs/sex (naive control [1x challenge]). No evidence of sensitization. No significant effect on body weight. [California Environmental Protection Agency/Department of Pesticide Regulation; SUMMARY OF TOXICOLOGY DATA CYTOKININ and 6-Benzyladenine [Promalin] p. 6 (2002). Available from, as of October 14, 2008: http://www.cdpr.ca.gov/docs/risk/toxsums/pdfs/2082.pdf] **PEER REVIEWED** NTOX - NON-HUMAN TOXICITY EXCERPTS

Result group:

Value Component Name NTOX - NON-HUMAN TOXICITY EXCERPTS

/ABORATORY ANIMALS: Acute Exposure/ In acute toxicity studies, N6-benzyladenine is slightly toxic by the oral route and produces moderate eye irritation; it has been placed in Toxicity Category III (the second-to-lowest of four categories) for these effects. It is of relatively low acute dermal and inhalation toxicity, and is only a slight irritant to the skin; it has been placed in Toxicity Category IV for these effects. [USEPA; R.E.D. FACTS N6-Benzyladenine p.2 EPA-738-F-94-008 (June 1994)] **PEER REVIEWED**

Result group:

Component Name Value /LABORATORY ANIMALS: Subchronic or Prechronic Exposure/ N6-Benzyladenine fed to rats for 13 weeks produced decreased weight gain at 1500 and 5000 ppm (121 and 322 mg/kg/day) in females, and 5000 ppm (295 mg/kg/day) in males. This decreased weight gain appeared to be related to decreased food consumption. Serum alkaline phosphatase activity and blood urea nitrogen levels were increased in both sexes receiving 5000 ppm; thus the NOEL was 1500 ppm and the LOEL was 5000 ppm (approximately 304 mg/kg/day in both sexes), based on the decreased body weight gain, food consumption, increased blood urea nitrogen, and minimal histologic changes in the kidneys_(USEPA; Reregistration Eligibility Decision (RED) Database for N6 Benzyladenine (1214-39-7). (June 1994). Available from, as of October 17, 2008: http://www.epa.gov/opp00001/reregistration/status_page_n.htm] **PEER REVIEWED** NTOX - NON-HUMAN TOXICITY EXCERPTS

Result group:

Component Name Value NTOX - NON-HUMAN TOXICITY EXCERPTS

Value

// LABORATORY ANIMALS: Subchronic or Prechronic Exposure/ Technical 6-benzyladenine (99%) was admixed with the feed at concentrations of 0, 500, 1500 or 5000 ppm and fed for 13 weeks to 20, 10, 10, and 20 Crl:CDBR rats/sex/group, respectively. These doses were equivalent in males to 0, 34.12, 101.5 and 294.78 mg/kg and in females, 0, 41.20, 119.88 and 322.26 mg/kg. Ten of the control and high dose animals were continued on control diet until week 18 for recovery. High-dose animals (M and F) and mid-dose females had significantly lower body weight and food consumption. During the recovery period, the high dose animals gained considerably more weight than the controls and had comparable food consumption. Animals at the high dose appeared thin, hunched and had decreased feces. Lower glucose and elevated hemoglobin, hematocrit, urea nitrogen, inorganic phosphorus and potassium associated with renal injury (postrenal azotemia) for the high dose group were considered treatment-related effects. Body weight NOEL = 500 ppm/day. Histological NOEL = 1500 ppm/day, based on kidney findings. [California Environmental Protection Agency/Department of Pesticide Regulation; SUMMARY OF TOXICOLOGY DATA CYTOKININ and 6-Benzyladenine [Promalin] p. 2 (2002). Available from, as of October 14, 2008: http://www.cdpr.ca.gov/docs/risk/toxsums/pdfs/2082.pdf] **PEER REVIEWED**

Result group:

Component Name Value NTOX - NON-HUMAN TOXICITY EXCERPTS

/LABORATORY ANIMALS: Developmental or Reproductive Toxicity/
Developmental toxicity in rats fed N6-benzyladenine was manifested as
significantly decreased fetal body weight, increased incidence of
hydrocephalus and unossified sternebrae, incompletely ossified phalanges,
and malaligned sternebrae at 175 mg/kg/day. Maternal toxicity was also
observed at 175 mg/kg/day, which was manifested as significantly decreased
body weight, weight gain, and food consumption. Thus the NOEL and LOEL
for maternal and developmental toxicity was 50 and 175 mg/kg/day,
respectively.[USEPA; Reregistration Eligibility Decision (RED) Database for
N6 Benzyladenine (1214-39-7). (June 1994). Available from, as of October
17, 2008: http://www.epa.gov/opp00001/reregistration/status_page_n.htm]
PEER REVIEWED*

Result group:

Component Name Value

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Double states	NTOX - NON-HUMAN TOXICITY EXCERPTS	/LABORATORY ANIMALS: Developmental or Reproductive Toxicity/ The effects of orally administered 6- Benzyladenine on the embryonic and fetal development of the rat /were evaluated/. 6-Benzyl adenine (99.2%) was administered via gavage at doses of 0 (0.2% hydroxypropylmethyl cellulose), 15, 50, or 175 mg/kg to 25 pregnant rats/group during days 6 through 15 of gestation. Food consumption, body weight and body weight gain were reduced for the high dose maternal group. Maternal NOEL = 50 mg/kg/day. Fetal weight was reduced 10% for the high dose group. No malformations or other fetal effects were noted. Developmental NOEL = 50 mg/kg/day. [California Environmental Protection Agency/Department of Pesticide Regulation; SUMMARY OF TOXICOLOGY DATA CYTOKININ and 6-Benzyladenine [Promalin] p. 4 (2002). Available from, as of October 14, 2008: http://www.cdpr.ca.gov/docs/risk/toxsums/pdfs/2082.pdf] **PEER REVIEWED**
Result group:	Component Name	Value
Result group:	NTOX - NON-HUMAN TOXICITY EXCERPTS	/GENOTOXICITY/ Studies of the effect of benzyladenine (BA) on the yeast Saccharomyces cerevisiae, the bacterium Salmonella typhimurium, the shallot Allium ascalonicum and Chinese hamster fibroblast cells were performed. The tested substance had no mutagenic activity on yeast, bacteria and cultured fibroblast cells. Changes in mitotic activity and cell division abnormalities were observed after BA treatment in shallot root-tip cells. [Pavlica M et al; Mutat Res 281 (4): 277-82 (1992)] **PEER REVIEWED** < CDATA ca href=http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve ;db=pubmed ;dopt=Abstract ;list_uids=1373222 target=new>PubMed Abstract
rtosuit group.	Component Name	Value
Result group:	NTOX - NON-HUMAN TOXICITY EXCERPTS	/GENOTOXICITY/ 6-Benzyladenine (99.6%) was administered once by oral gavage at doses of 0 (0.5% CMC), 140, 467 or 1400 mg/kg to 5 ICR mice/sex/group for each scheduled sacrifice time (24, 48, and 72 hours after dosing). Positive control was triethylenemelamine and was functional. There was mortality at the high dose (80% of the LD50), especially for males. 6-Benzyladenine treatment did not significantly increase the percentage of polychromatic crythrocytes. No adverse effects.[California Environmental Protection Agency/Department of Pesticide Regulation; SUMMARY OF TOXICOLOGY DATA CYTOKININ and 6-Benzyladenine [Promalin] p. 4 (2002). Available from, as of October 14, 2008: http://www.cdpr.ca.gov/docs/risk/toxsums/pdfs/2082.pdf] **PEER REVIEWED**
rtesuit group.	Component Name	Value
	NTOX - NON-HUMAN TOXICITY EXCERPTS	/GENOTOXICITY/ The mutagencity of N6- Benzyladenine was tested in an Ames assay in Salmonella typhimurium test strains TA1535, TA1537, TA1538, TA98, and TA100 (with and without metabolic activation with rat liver microsomal fraction S9) at concentrations ranging from 5 to 5000 ug/plate; in an in vivo mouse micronucleus assay at oral doses of 140, 467 and 1400 mg/kg; and in an unscheduled DNA synthesis assay in rat primary hepatocyte cultures at doses ranging from 1 to 50 ug/mL and did not appear to be mutagenic in any of these test systems.
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Result group:	O	N-bis
Result group:	NTXV - NON-HUMAN TOXICITY VALUES	Value LD50 Rabbit Dermal 5 g/kg[USEPA; Reregistration Eligibility Decision (RED) Database for N6 Benzyladenine (1214-39-7). (June 1994). Available from, as of October 17, 2008: http://www.epa.gov/opp00001/reregistration/status_page_n.htm] **PEER REVIEWED**
	Component Name	Value
Result group:	NTXV - NON-HUMAN TOXICITY VALUES	LC50 Rabbit inhalation 5.2 mg/L 1 hour.[USEPA; Reregistration Eligibility Decision (RED) Database for N6 Benzyladenine (1214-39-7). (June 1994). Available from, as of October 17, 2008: http://www.epa.gov/opp00001/reregistration/status_page_n.htm] **PEER REVIEWED**
rtosuit group.	Component Name	Value
Development	NTXV - NON-HUMAN TOXICITY VALUES	LD50 Rat Oral 1.3 g/kg[USEPA; Reregistration Eligibility Decision (RED) Database for N6 Benzyladenine (1214-39-7). (June 1994). Available from, as of October 17, 2008: http://www.epa.gov/opp00001/reregistration/status_page_n.htm] **PEER REVIEWED**
Result group:	Component Name	Value
	Component Name ETXV - ECOTOXICITY VALUES	Value LC50 Colinus virginianus (Northern bobwhite, age 10 days) diet >5620 ppm for 8 days[USEPA, Office of Pesticide Programs; Pesticide Ecotoxicity Database (2000) on N-(Phenylmethyl)-1H-purin-6-amine (1214-39-7). Available from, as of September 29, 2008: http://cfpub.epa.gov/ecotox/quick_query.htm] **PEER REVIEWED**
Result group:		
	Component Name	Value
Result group:	ETXV - ECOTOXICITY VALUES	LD50 Colinus virginianus (Northern bobwhite, age 32 wk) oral 1599 mg/kg (95% confidence interval: 1139-3264 mg/kg)[USEPA, Office of Pesticide Programs; Pesticide Ecotoxicity Database (2000) on N-(Phenylmethyl)-1H-purin-6-amine (1214-39-7). Available from, as of September 29, 2008: http://cfpub.epa.gov/ecotox/quick_query.htm] **PEER REVIEWED**
. woodit group.	Component Name	Value
Result group:	ETXV - ECOTOXICITY VALUES	LD50 Apis mellifera (Honey bee, worker) topical >25 ug/bee for 96 hr[USEPA, Office of Pesticide Programs; Pesticide Ecotoxicity Database (2000) on N-(Phenylmethyl)-1H-purin-6-amine (1214-39-7). Available from, as of September 29, 2008: http://cfpub.epa.gov/ecotox/quick_query.htm] **PEER REVIEWED***
3 -1	Component Name	Value
Result group:	ETXV - ECOTOXICITY VALUES	EC50; Species: Daphnia magna (Water flea, age 48 hr); Conditions: freshwater, static; Concentration: 20500 ug/L for 48 hr (95% confidence interval: 15800-26400 ug/L); Effect: intoxication, immobilization /99% purity/IUSEPA, Office of Pesticide Programs; Pesticide Ecotoxicity Database (2000) on N-(Phenylmethyl)-1H-purin-6-amine (1214-39-7). Available from, as of September 29, 2008: http://cfpub.epa.gov/ecotox/quick_query.htm] **PEER REVIEWED**
Result group:	Commonant Name	Value
	Component Name	Value

ETXV - ECOTOXICITY VALUES

LC50; Species: Oncorhynchus mykiss (Rainbow trout); Conditions: freshwater, static; Concentration: 21400 ug/L for 96 hr (95% confidence interval: 19200-23800 ug/L) /formulated product/[USEPA, Office of Pesticide Programs; Pesticide Ecotoxicity Database (2000) on N-(Phenylmethyl)-1H-purin-6-amine (1214-39-7). Available from, as of September 29, 2008: http://cfpub.epa.gov/ecotox/quick_query.htm] **PEER REVIEWED**

Result	

Result group:		T
	Component Name	Value
	METB - METABOLISM/METABOLITES	The report summarized results of metabolism of labeled compound in rats and dogs. With dogs, the compound (15 mg with label as benzyl-1-C14 - adenine) was fed in a small ball of meat. Urine was collected for 24 and 48 hours. Essentially all of the radioactivity was excreted in urine in 24 hours. By cochromatography, three metabolites were identified as hippuric acid, benzoic acid and benzyladenine (the same as in the rat). With animals given benzyladenine-8-C14, the profile was somewhat different and components were not identified except for parent compound. Excretion of the adenine label was slower. Profiles of rat and dog were, again, similar, ICalifornia Environmental Protection Agency/Department of Pesticide Regulation; SUMMARY OF TOXICOLOGY DATA CYTOKININ and 6-Benzyladenine
		[Promalin] p. 3 (2002). Available from, as of October 14, 2008: http://www.cdpr.ca.gov/docs/risk/toxsums/pdfs/2082.pdf] **PEER REVIEWED**
NLM TOXNET C	CRIS URL	
Result group:		
	Component Name	Value
	URL	External Link
NLM TOXNET C	CRIS Data MSTU - MUTAGENICITY STUDIES	
Result group:		
	Component Name	Value
	Dose Range	0.125-1250 MICROMOLAR
	Metabolic Activation	NONE
	Method	STANDARD PLATE
	Reference	[PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992]
	Results	NEGATIVE
	Strain/Indicator	V-79/6-THIOGUANINE (HGPRT)
	Test System	CHINESE HAMSTER V-79
Result group:		
	Component Name	Value
	Dose Range	1.25-1250 MICROMOLAR
	Metabolic Activation	RAT, LIVER, S-9, AROCLOR
	Method	STANDARD PLATE
	Reference	[PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992]
	Results	NEGATIVE
	Strain/Indicator	TA98
	Test System	AMES SALMONELLA TYPHIMURIUM
Result group:		
	Component Name	Value
	Component Name Dose Range	Value 1.25-1250 MICROMOLAR
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	Dose Range	1.25-1250 MICROMOLAR
	Dose Range Metabolic Activation	1.25-1250 MICROMOLAR NONE
	Dose Range Metabolic Activation Method	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS;
	Dose Range Metabolic Activation Method Reference	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992]
	Dose Range Metabolic Activation Method Reference Results	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE
Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA, M, PAPES, D, FRANEKIC, J AND NAGY, B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98
Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM
Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM
Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR
Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992]
Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE
Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992]
Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE
Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM
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	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR
	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM
	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR
	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT, RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT, RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT, RES. 281(4):277-282, 1992]
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	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT, RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT, RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT, RES. 281(4):277-282, 1992] NEGATIVE
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Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM Value Value Value Value Value
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Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Tose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM Value Value Value Value Value
Result group:	Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Metabolic Activation Method Reference Results Strain/Indicator Test System Component Name Dose Range Results Strain/Indicator Test System Component Name Dose Range	1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA98 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR RAT, LIVER, S-9, AROCLOR STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM Value 1.25-1250 MICROMOLAR NONE STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992] NEGATIVE TA100 AMES SALMONELLA TYPHIMURIUM

[OKSUZOGLU,E DIRIL,N AND DURUSOY,M; MUTAGENIC EFFECTS OF PLANT GROWTH HORMONES WITH THE SALMONELLA/MICROSOME TEST AND THE SOS CHROMOTEST; BULL. ENVIRON. CONTAM. TOXICOL. 65(6):691-698, 2000] Reference Results NEGATIVE Strain/Indicator TA98 AMES SALMONELLA TYPHIMURIUM Test System Result group: Value Component Name 0.062-1 MG/PLATE (TEST MATERIAL SOLVENT: DEIONIZED WATER) Dose Range Metabolic Activation RAT LIVER S-9, 3-METHYLCHOLANTHRENE AND PHENOBARBITAL STANDARD PLATE Method [OKSUZOGLU,E DIRIL,N AND DURUSOY,M; MUTAGENIC EFFECTS OF PLANT GROWTH HORMONES WITH THE SALMONELLA/MICROSOME TEST AND THE SOS CHROMOTEST; BULL. ENVIRON. CONTAM. Reference TOXICOL. 65(6):691-698, 2000] NEGATIVE Results Strain/Indicator **TA98** Test System AMES SALMONELLA TYPHIMURIUM Result group: Component Name Value 0.062-1 MG/PLATE (TEST MATERIAL SOLVENT: DEIONIZED WATER) Dose Range Metabolic Activation NONE Method STANDARD PLATE [OKSUZOGLU,E DIRIL,N AND DURUSOY,M; MUTAGENIC EFFECTS OF PLANT GROWTH HORMONES WITH THE SALMONELLA/MICROSOME TEST AND THE SOS CHROMOTEST; BULL. ENVIRON. CONTAM. TOXICOL. 65(6):691-698, 2000] Reference Results NEGATIVE Strain/Indicator TA100 Test System AMES SALMONELLA TYPHIMURIUM Result group: Component Name Value Dose Range 0.062-1 MG/PLATE (TEST MATERIAL SOLVENT: DEIONIZED WATER) Metabolic Activation RAT LIVER S-9, 3-METHYLCHOLANTHRENE AND PHENOBARBITAL Method [OKSUZOGLU,E DIRIL,N AND DURUSOY,M; MUTAGENIC EFFECTS OF PLANT GROWTH HORMONES WITH THE SALMONELLA/MICROSOME TEST AND THE SOS CHROMOTEST; BULL. ENVIRON. CONTAM. TOXICOL. 65(6):691-698, 2000] Reference Results NEGATIVE Strain/Indicator TA100 AMES SALMONELLA TYPHIMURIUM Test System NLM TOXNET Toxicology Result group: Value Component Name SENSE ORGANS AND SPECIAL SENSES: LACRIMATION: EYE BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) Organism mouse PubMed ID Toho Igakkai Zasshi. Journal of Medical Society of Toho University. Vol. 19, Pg. 336, 1972. Reference Reported Dose 1300mg/kg (1300mg/kg) LD50 Test type Result group: Component Name Value Organism mouse PubMed ID 0 Toho Igakkai Zasshi. Journal of Medical Society of Toho University. Vol. 19, Pg. 336, 1972. Reference Reported Dose > 5gm/kg (5000mg/kg) Test type LD50 Result group: Component Name Value Organism mouse PubMed ID O Toho Igakkai Zasshi. Journal of Medical Society of Toho University. Vol. 19, Pg. 336, 1972. Reference Reported Dose > 2300mg/kg (2300mg/kg) Test type LD50 Result group: Component Name Value SENSE ORGANS AND SPECIAL SENSES: LACRIMATION: EYE BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) Effect Organism PubMed ID Toho Igakkai Zasshi. Journal of Medical Society of Toho University. Vol. 19, Pg. 336, 1972. Reference Reported Dose 2125mg/kg (2125mg/kg) LD50 Test type **Chronic Toxicity** NLM TOXNET HSDB URL Result group: Component Name Value HSDB URL External Link

ult group:	Component Name	Value
	HSDB URL	External Link
TOXNET C	CCRIS URL	
ılt group:	O and a month Name	Webse
	URL	Value External Link
otoxicity	ONE	Externel Link
	CCRIS Data MSTU - MUTAGENICITY STUDIES	
It group:	Commonant Name	Welvie
	Component Name Dose Range	Value 0.125-1250 MICROMOLAR
	Metabolic Activation	NONE
	Method	STANDARD PLATE
	Reference	[PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281 (4):277-282, 1992]
	Results	NEGATIVE
	Strain/Indicator	V-79/6-THIOGUANINE (HGPRT)
	Test System	CHINESE HAMSTER V-79
It group:	Component Name	Value
	Dose Range	1.25-1250 MICROMOLAR
	Metabolic Activation	RAT, LIVER, S-9, AROCLOR
	Method	STANDARD PLATE
	Reference	[PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992]
	Results	NEGATIVE
	Strain/Indicator	TA98
	Test System	AMES SALMONELLA TYPHIMURIUM
lt group:	Component Name	Value
	Dose Range	1.25-1250 MICROMOLAR
	Metabolic Activation	NONE
	Method	STANDARD PLATE
	Reference	[PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992]
	Results	NEGATIVE
	Strain/Indicator	TA98
lt group:	Test System	AMES SALMONELLA TYPHIMURIUM
lt group:	Component Name	Value
	Dose Range	1.25-1250 MICROMOLAR
	Metabolic Activation	RAT, LIVER, S-9, AROCLOR
	Method	STANDARD PLATE
	Reference	[PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992]
	Results Strain/Indicator	NEGATIVE TA100
	Test System	AMES SALMONELLA TYPHIMURIUM
lt group:		
	Component Name	Value
	Dose Range	1.25-1250 MICROMOLAR
	Metabolic Activation	NONE STANDARD PLATE
	Method Reference	STANDARD PLATE [PAVLICA,M, PAPES,D, FRANEKIC,J AND NAGY,B; EFFECTS OF BENZYLADENINE ON PROKARYOTIC AND EUKARYOTIC CELLS; MUTAT. RES. 281(4):277-282, 1992]
	Results	NEGATIVE
	Strain/Indicator	TA100
	Test System	AMES SALMONELLA TYPHIMURIUM
lt group:	Component Name	Value
	Dose Range	0.062-1 MG/PLATE (TEST MATERIAL SOLVENT: DEIONIZED WATER
	Metabolic Activation	NONE
	Method	STANDARD PLATE
	Reference	[OKSUZOGLU,E DIRIL,N AND DURUSOY,M; MUTAGENIC EFFECTS PLANT GROWTH HORMONES WITH THE SALMONELLA/MICROSON TEST AND THE SOS CHROMOTEST; BULL. ENVIRON. CONTAM. TOXICOL. 65(6):691-698, 2000]
	Results	NEGATIVE
	Strain/Indicator	TA98
	Test System	AMES SALMONELLA TYPHIMURIUM
lt group:		I
	Component Name	Value
	Dose Range Metabolic Activation	0.062-1 MG/PLATE (TEST MATERIAL SOLVENT: DEIONIZED WATER RAT LIVER S-9, 3-METHYLCHOLANTHRENE AND PHENOBARBITAL
		DOLLEVED 358, 35ME HILLEVEDEAN LONGING AND FORNUDARDITAL

[OKSUZOGLU,E DIRIL,N AND DURUSOY,M; MUTAGENIC EFFECTS OF PLANT GROWTH HORMONES WITH THE SALMONELLA/MICROSOME TEST AND THE SOS CHROMOTEST; BULL. ENVIRON. CONTAM. TOXICOL. 65(6):691-698, 2000] Reference Results NEGATIVE Strain/Indicator TA98 AMES SALMONELLA TYPHIMURIUM Test System Result group: Component Name Value 0.062-1 MG/PLATE (TEST MATERIAL SOLVENT: DEIONIZED WATER) Dose Range Metabolic Activation NONE STANDARD PLATE Method [OKSUZOGLU,E DIRIL,N AND DURUSOY,M; MUTAGENIC EFFECTS OF PLANT GROWTH HORMONES WITH THE SALMONELLA/MICROSOME TEST AND THE SOS CHROMOTEST; BULL. ENVIRON. CONTAM. Reference TOXICOL. 65(6):691-698, 2000] NEGATIVE Results Strain/Indicator TA100 Test System AMES SALMONELLA TYPHIMURIUM Result group: Value Component Name 0.062-1 MG/PLATE (TEST MATERIAL SOLVENT: DEIONIZED WATER) Dose Range Metabolic Activation RAT LIVER S-9, 3-METHYLCHOLANTHRENE AND PHENOBARBITAL Method STANDARD PLATE [OKSUZOGLU,E DIRIL,N AND DURUSOY,M; MUTAGENIC EFFECTS OF PLANT GROWTH HORMONES WITH THE SALMONELLA/MICROSOME TEST AND THE SOS CHROMOTEST; BULL. ENVIRON. CONTAM. TOXICOL. 65(6):691-698, 2000] Reference Results NEGATIVE Strain/Indicator TA100 AMES SALMONELLA TYPHIMURIUM Test System **Developmental Toxicity** NLM TOXNET HSDB URL Result group: Component Name Value HSDB URL External Link Reproductive Toxicity NLM TOXNET HSDB URL Result group: Component Name Value HSDB URL External Link Occurrence EPA Pesticide Reregistration eligibility documents Result group: Value Component Name Fact Sheet URL External Link RED URL Non-regulatory Risk Management US Army Military exposure guidelines (MEGs) for Short-Term exposures to chemicals in ambient air Result group: Value Component Name 1 hour Critical Air MEG 5.0E+02 1.0E+02 1 hour Marginal Air MEG 1 hr Negligible air MEG 1.5E+01 EPA Biopesticide Fact Sheets URL Result group: Component Name Value EPA Pesticide Fact Sheet (PFS) Biopesticide URL External Link EPA Pesticide Reregistration Eligibility Decision (RED) Factsheet URL External Link FDA Pestrak Files - CFSAN pesticide data Result group: Value Component Name Metabolite Status parent plant growth regulator National Center for Food and Agricultural Policy (NCFAP) National Pesticide Use Database for 1992 Result group: Component Name Value Crop **APPLES** OTHER PESTICIDES Pesticide type State CONNECTICUT Result group: Value Component Name APPLES Crop Pesticide type OTHER PESTICIDES IDAHO State Result group: Component Name Value Crop **APPLES** Pesticide type OTHER PESTICIDES State WASHINGTON Result group: Value Component Name

	Onomical Cammary. Bonzyn	(paint o yi)aitiiile (1214 00 1)
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	MICHIGAN
Result group:	Component Name	Value
	Сгор	APPLES
	Pesticide type	OTHER PESTICIDES
	State	PENNSYLVANIA
Result group:		1
	Component Name	Value
	Сгор	APPLES
	Pesticide type	OTHER PESTICIDES
Decult mann	State	MAINE
Result group:	Component Name	Value
	Сгор	APPLES
	Pesticide type	OTHER PESTICIDES
	State	NEW HAMPSHIRE
Result group:		
	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES NEW YORK
Result group:	State	TEN TORK
rresuit group.	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	OHIO
Result group:	Company Name	Value
	Component Name	APPLES
	Crop Pesticide type	OTHER PESTICIDES
	State	OREGON
Result group:		
0 .	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	VIRGINIA
Result group:	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	WEST VIRGINIA
Result group:		
	Component Name	Value
	Crop	APPLES
	Pesticide type State	OTHER PESTICIDES INDIANA
NOAA Pesticide D		INDIANA
Result group:	ala UNL	
0 ,	Component Name	Value
	Pesticide Data URL	External Link
	Effects Summaries	
Result group:	Component Name	Value
	Health Impact Type	Suspected Neurotoxicant
	References	RTECS
Result group:		
- •	Component Name	Value
	Health Impact Type	Suspected Skin Or Sense Organ Toxicant
	References	RTECS
-	Management ment APVMA approved active substances	
Result group:	Component Name	Value
	Approval Holder	Valent Biosciences A Div Of Sumitomo Chemical Australia
	Approval No.	44449
	Manufacturing Site	Abbott Laboratories Chemical; Agricultural Products Div. 1401 Sheridan Road North Chicago II 60064 Usa
Decel		коац попп Unicago II 60064 Usa
Result group:	Component Name	Value
	Approval Holder	Bloomfresh Pty Ltd
	Approval No.	44598
	Manufacturing Site	Krishi Rasayan (bihar) Shed 2a Large Industrial Estate Rk Ashram,
		Muzzaffarpur, Bihar Índia
Result group:	Component Name	Value
	Approval Holder	Valent Biosciences A Div Of Sumitomo Chemical Australia
	Approval No.	51841

	Manufacturing City	7h - ii - a - Oh - a shaa Biala Biala wa Oo al tal Na 4 7h - a awaa al a haatiisl Bada
	Manufacturing Site	Zhejiang Shenghua Biok Biology Co. Ltd No.1 Zhongguan Industrial Park Deqing, Zhejiang Province 313220 Pr China
Result group:	Component Name	Value
	Approval Holder	Valent Biosciences A Div Of Sumitomo Chemical Australia
	Approval No.	51842
	Manufacturing Site	Borregaard Synthesis Inc 9 Opportunity Way Newburyport, Massachusets 10950 Usa
Result group:	Component Name	Value
	Approval Holder	Farmoz Pty Limited
	Approval No.	53351
	Manufacturing Site	Shanghai No. 18 Pharmaceutical Factory No. 804 Bao San Road Shanghai 200081 Pr China
Result group:	Component Name	Value
	Approval Holder	Valent Biosciences A Div Of Sumitomo Chemical Australia
	Approval No.	61044
	Manufacturing Site	Valent Biosciences Corporation Sichuan Guoguang Agrochemical Co Ltd 28 Dongfeng Rd Jian Yang City Sichuan 641400 China
Result group:		
	Component Name	Value
	Approval Holder	Fine Agrochemicals Limited
	Approval No. Manufacturing Site	62241 Taizhou Dapeng Pharmaceutical Industry Co Ltd Yanhui Industrial Zone
		Linhai City Zhejiang Province 317016 China
ECHA Pre-Regist	tered Substances	
Result group:	Component Name	Value
	Date of Registration	11/30/2010
Canada Domestic	c Substance List (2007)	
Result group:	Component Name	Value
	Bioaccumulative	No No
	Inherently Toxic to Aquatic Organisms	No
	Meets CEPA Categorization Criteria	No
	Meets Environmental Criteria for Categorization	No
	Meets Human Health Criteria	No No
	Persistent Substance category	No Organics
EPA Pesticide Re	eregistration Status	Organics
Result group:		
Result group:	Component Name	Value
Result group:	Case Number	case 2040
Result group:		
	Case Number Status	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994)
	Case Number Status Type eregistration eligibility documents	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator
EPA Pesticide Re	Case Number Status Type eregistration eligibility documents Component Name	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value
EPA Pesticide Re	Case Number Status Type eregistration eligibility documents	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator
EPA Pesticide Re	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link
EPA Pesticide Re Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link
EPA Pesticide Re Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value
EPA Pesticide Re Result group: EPA Inert Ingredi Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link
EPA Pesticide Re Result group: EPA Inert Ingredi Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals)	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180
EPA Pesticide Re Result group: EPA Inert Ingredi Result group: EPA Registration	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180
EPA Pesticide Re Result group: EPA Inert Ingredi Result group: EPA Registration	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94
EPA Pesticide Re Result group: EPA Inert Ingredi Result group: EPA Registration	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180
EPA Pesticide Re Result group: EPA Inert Ingredi Result group: EPA Registration	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL eents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85
EPA Pesticide Re Result group: EPA Inert Ingredi Result group: EPA Registration	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed
EPA Pesticide Re Result group: EPA Inert Ingredi Result group: EPA Registration	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL eents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status Date	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed 06/01/94
EPA Pesticide Re Result group: EPA Inert Ingredic Result group: EPA Registration Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL eents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status Date Registration Review Case Name	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed
EPA Pesticide Re Result group: EPA Inert Ingredic Result group: EPA Registration Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL eents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status Date	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed 06/01/94
EPA Pesticide Re Result group: EPA Inert Ingredi Result group: EPA Registration Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status RED Status Date Registration Review Case Name re Pesticides Information (related to registration) Component Name	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed 06/01/94 Benzyladenine Value
EPA Pesticide Re Result group: EPA Inert Ingredi Result group: EPA Registration Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status RED Status Date Registration Review Case Name re Pesticides Information (related to registration) Component Name Classification	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed 06/01/94 Benzyladenine Value BIOCHEMICAL
EPA Pesticide Re Result group: EPA Inert Ingredi Result group: EPA Registration Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status RED Status Date Registration Review Case Name re Pesticides Information (related to registration) Component Name Classification First Registered	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed 06/01/94 Benzyladenine Value BIOCHEMICAL 11-May-84
EPA Pesticide Re Result group: EPA Inert Ingredi Result group: EPA Registration Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status Date Registration Review Case Name re Pesticides Information (related to registration) Component Name Classification First Registered PC Code	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed 06/01/94 Benzyladenine Value BIOCHEMICAL 11-May-84 PCCCODE_116901
EPA Pesticide Re Result group: EPA Inert Ingredi Result group: EPA Registration Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status RED Status Date Registration Review Case Name re Pesticides Information (related to registration) Component Name Classification First Registered	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed 06/01/94 Benzyladenine Value BIOCHEMICAL 11-May-84
EPA Pesticide Re Result group: EPA Inert Ingredic Result group: EPA Registration Result group: EPA OPPIN Activ Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status Date Registration Review Case Name re Pesticides Information (related to registration) Component Name Classification First Registered PC Code Pesticide Category Registration Review Case Number	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed 06/01/94 Benzyladenine Value BIOCHEMICAL 11-May-84 PCCCODE_116901 PLANT GROWTH REGULATOR
EPA Pesticide Re Result group: EPA Inert Ingredict Result group: EPA Registration Result group: EPA OPPIN Activ Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL ents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status Date Registration Review Case Name re Pesticides Information (related to registration) Component Name Classification First Registered PC Code Pesticide Category Registration Review Case Number	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed 06/01/94 Benzyladenine Value BIOCHEMICAL 11-May-84 PCCCODE_116901 PLANT GROWTH REGULATOR
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EPA Pesticide Re Result group: EPA Inert Ingredic Result group: EPA Registration Result group: EPA OPPIN Activ Result group:	Case Number Status Type eregistration eligibility documents Component Name Fact Sheet URL RED URL eents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status Date Registration Review Case Name re Pesticides Information (related to registration) Component Name Classification First Registered PC Code Pesticide Category Registration Review Case Number d Use Tolerances Component Name CFR Citation Commodity Current Status	case 2040 RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Value External Link External Link Value 06/01/94 03/05/85 2011 116901 Completed 06/01/94 Benzyladenine Value BIOCHEMICAL 11-May-84 PCCCODE_116901 PLANT GROWTH REGULATOR 2040 Value 180.115 APPLE Exempted (02-Apr-2004)
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Result group:	Component Name	Value
	CFR Citation	180.115
	Commodity	PISTACHIO
	Current Status	Exempted (02-Apr-2004)
	PC Code	PCCCODE 116901
	Tolerance Type	Permanent Tolerance
uropean Union	(EU) Pesticides Database	
Result group:		Tu .
	Component Name	Value
	ADI	0,01mg/kg bw/day
	ADI Source/Year	11/1/EU
	Annex I 91/414	Approved
	AOEL	0,03mg/kg bw/day
	AOEL Source/Year	11/1/EU
	ARfD	Not appl.
	ARfD Source/Year	11/1/EU
	Assess Risk	EFSA = European Food Safety Authority
	Authorisation in progress	AT, CZ
	Authorised	BE, DK, EL, ES, FR, IT, NL, PT, RO, SI
	Category	PG = Plant growth regulator
	Expiry Date	31/05/2021
	Inclusion Date	40549
	Legislation	2011/1/EUReg. (EU) No 540/2011
	List	A (Existing active substances divided into four lists for phased
	D	evaluations)A4
	Remarks	Initially non included by Decision 2008/941. Included as from 1 June 2011 following re-submission for inclusion according to Reg. 33/2008
	RMS	FR
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	40 CFR 180	revoked
	Other Status	foreign use?
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	Pharmacological Action	Plant Growth Regulators
MESH URLs		
Result group:		
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SRS EPA Subs	•	-
	MESH URL stance Regulatory Services List	External Link
	MESH URL stance Regulatory Services List Component Name	External Link Value
	MESH URL stance Regulatory Services List Component Name NTP Chemical Repositoy National Toxicology Program Chemical Health	External Link
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SRS EPA Subs Result group: NLM TOXNET To Result group: Result group:	MESH URL stance Regulatory Services List Component Name NTP Chemical Repositoy National Toxicology Program Chemical Health and Safety Data exicology Component Name Effect Organism PubMed ID Reference Reported Dose Test type Component Name Organism PubMed ID Reference Reported Dose Test type Component Name Organism PubMed ID Reference Reported Dose Test type Component Name Organism PubMed ID Reference Reported Dose Test type Component Name Organism PubMed ID Reference Reported Dose Test type Component Name Organism PubMed ID Reference Reported Dose Test type Component Name Effect Organism	External Link Value Subject to specified regulation Value SENSE ORGANS AND SPECIAL SENSES: LACRIMATION: EYE BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) mouse 0 Toho Igakkai Zasshi. Journal of Medical Society of Toho University. Vol. 199. 336, 1972. 1300mg/kg (1300mg/kg) LD50 Value mouse 0 Toho Igakkai Zasshi. Journal of Medical Society of Toho University. Vol. 199. 336, 1972. > 5gm/kg (5000mg/kg) LD50 Value mouse 0 Toho Igakkai Zasshi. Journal of Medical Society of Toho University. Vol. 199. 336, 1972. > 2300mg/kg (2300mg/kg) LD50 Value SENSE ORGANS AND SPECIAL SENSES: LACRIMATION: EYE BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) rat

Reported Dose 2125mg/kg (2125mg/kg) LD50 Test type

Production and Release

Australian government APVMA approved active substances

Result group:

Component Name Value Approval Holde Valent Biosciences A Div Of Sumitomo Chemical Australia Approval No. 44449 Manufacturing Site Abbott Laboratories Chemical ; Agricultural Products Div. 1401 Sheridan Road North Chicago II 60064 Usa

Result group:

Value Component Name Approval Holder Bloomfresh Pty Ltd

Approval No. 44598

Krishi Rasayan (bihar) Shed 2a Large Industrial Estate Rk Ashram, Muzzaffarpur, Bihar India Manufacturing Site

Result group:

Component Name Value Valent Biosciences A Div Of Sumitomo Chemical Australia Approval Holde Approval No.

Zhejiang Shenghua Biok Biology Co. Ltd No.1 Zhongguan Industrial Park Deqing, Zhejiang Province 313220 Pr China Manufacturing Site

Result group:

Component Name Value Approval Holder Valent Biosciences A Div Of Sumitomo Chemical Australia Approval No. Borregaard Synthesis Inc 9 Opportunity Way Newburyport, Massachusets 10950 Usa Manufacturing Site

Result group:

Result group:

Component Name Value Approval Hold Farmoz Ptv Limited Approval No. 53351 Shanghai No. 18 Pharmaceutical Factory No. 804 Bao San Road Shanghai 200081 Pr China Manufacturing Site

Component Name Value

Approval Holder Valent Biosciences A Div Of Sumitomo Chemical Australia

Approval No. 61044

Manufacturing Site Valent Biosciences Corporation Sichuan Guoguang Agrochemical Co Ltd 28 Dongfeng Rd Jian Yang City Sichuan 641400 China

Result group:

Component Name Value Approval Holder Fine Agrochemicals Limited 62241 Approval No.

Taizhou Dapeng Pharmaceutical Industry Co Ltd Yanhui Industrial Zone Linhai City Zhejiang Province 317016 China

ECHA Pre-Registered Substances

Result group:

Component Name Value 11/30/2010 Date of Registration

Canada Domestic Substance List (2007)

Manufacturing Site

Result group:

Component Name Value Bioaccumulative No Inherently Toxic to Aquatic Organisms Nο Meets CEPA Categorization Criteria No Meets Environmental Criteria for Categorization No Meets Human Health Criteria No Persistent No Substance category **Organics**

EPA Biopesticide Fact Sheets URL

Result group:

Value Component Name EPA Pesticide Fact Sheet (PFS) Biopesticide URL EPA Pesticide Reregistration Eligibility Decision (RED) Factsheet URL External Link

EPA Pesticide Reregistration Status

Result group:

Component Name Value Case Number case 2040 Status RED (Reregistration Eligibility Decisions) signed (06/1994) plant growth regulator Type

EPA Pesticide Reregistration eligibility documents

Result group:

Component Name Value Fact Sheet URL External Link RED URL External Link

EPA Inert Ingredients

Result group:

Value Component Name Relevant FR citation 40 CFR Part 180

EPA Registration Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals)

Pocult grove:		
Result group:	Component Name	Value
	Baseline Date	06/01/94
	First Registered	03/05/85
	Fiscal Year Schedule	2011
	PC Code	116901
	RED Status	Completed
	RED Status Date	06/01/94
	Registration Review Case Name	Benzyladenine
EPA OPPIN Activ Result group:	re Pesticides Information (related to registration)	
resuit group.	Component Name	Value
	Classification	BIOCHEMICAL
	First Registered	11-May-84
	PC Code	PCCCODE_116901
	Pesticide Category	PLANT GROWTH REGULATOR
	Registration Review Case Number	2040
EPA OPPIN Food	Use Tolerances	2040
Result group:	- Contained	,
	Component Name	Value
	CFR Citation	180.115
	Commodity	APPLE
	Current Status	Exempted (02-Apr-2004)
	PC Code	PCCCODE 116901
	Tolerance Type	Permanent Tolerance
Result group:	··	
3·P	Component Name	Value
	CFR Citation	180.115
	Commodity	PISTACHIO
	Current Status	Exempted (02-Apr-2004)
	PC Code	PCCCODE 116901
	Tolerance Type	Permanent Tolerance
European Union ((EU) Pesticides Database	
Result group:	20) i canada panasac	1
	Component Name	Value
	ADI	0,01mg/kg bw/day
	ADI Source/Year	11/1/EU
	Annex I 91/414	Approved
	AOEL	0,03mg/kg bw/day
	AOEL Source/Year	11/1/EU
	ARfD	Not appl.
	ARfD Source/Year	11/1/EU
	Assess Risk	EFSA = European Food Safety Authority
	Authorisation in progress	AT, CZ
	Authorised	BE, DK, EL, ES, FR, IT, NL, PT, RO, SI
	Category	PG = Plant growth regulator
	Expiry Date	31/05/2021
		40549
	Inclusion Date	
	Legislation	2011/1/EUReg. (EU) No 540/2011
	List	A (Existing active substances divided into four lists for phased evaluations)Â4
	Remarks	Initially non included by Decision 2008/941. Included as from 1 June 2011
		following re-submission for inclusion according to Reg. 33/2008
	RMS	following re-submission for inclusion according to Reg. 33/2008 FR
	RMS part 185 citation for FDA pesticides of interest	following re-submission for inclusion according to Reg. 33/2008
		following re-submission for inclusion according to Reg. 33/2008
	part 185 citation for FDA pesticides of interest	following re-submission for inclusion according to Reg. 33/2008 FR
	part 185 citation for FDA pesticides of interest Component Name	following re-submission for inclusion according to Reg. 33/2008 FR Value
Result group:	Component Name 40 CFR 180 Other Status	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked
Result group: MESH Annotatior	Component Name 40 CFR 180 Other Status	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use?
Result group: MESH Annotatior	Component Name 40 CFR 180 Other Status	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked
Result group: MESH Annotatior	Component Name 40 CFR 180 Other Status	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use?
Result group: MESH Annotatior Result group: MESH URLs	Component Name 40 CFR 180 Other Status Component Name	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value
Result group: MESH Annotatior Result group: MESH URLs	Component Name 40 CFR 180 Other Status Component Name Component Name Pharmacological Action	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators
Result group: MESH Annotatior Result group: MESH URLs	Component Name 40 CFR 180 Other Status Component Name Component Name Pharmacological Action Component Name	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators Value
Result group: MESH Annotation Result group: MESH URLs Result group:	Component Name 40 CFR 180 Other Status Component Name Pharmacological Action Component Name MESH URL	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators
MESH Annotation Result group: MESH URLs Result group:	Component Name 40 CFR 180 Other Status Component Name Component Name Pharmacological Action Component Name	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators Value
MESH Annotation Result group: MESH URLs Result group:	Component Name 40 CFR 180 Other Status Component Name Pharmacological Action Component Name MESH URL	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators Value
MESH Annotation Result group: MESH URLs Result group:	Component Name 40 CFR 180 Other Status Component Name Pharmacological Action Component Name MESH URL stance Regulatory Services List Component Name NTP Chemical Repository National Toxicology Program Chemical Health	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators Value External Link
Result group: MESH Annotation Result group: MESH URLs Result group: SRS EPA Subs Result group:	Component Name 40 CFR 180 Other Status Component Name Pharmacological Action Component Name MESH URL stance Regulatory Services List Component Name NTP Chemical Repositoy National Toxicology Program Chemical Health and Safety Data	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators Value External Link Value
MESH Annotation Result group: MESH URLs Result group: SRS EPA Subs Result group:	Component Name 40 CFR 180 Other Status Component Name Pharmacological Action Component Name MESH URL stance Regulatory Services List Component Name NTP Chemical Repositoy National Toxicology Program Chemical Health and Safety Data	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators Value External Link Value
MESH Annotation Result group: MESH URLs Result group: SRS EPA Subs Result group:	Component Name 40 CFR 180 Other Status Component Name Pharmacological Action Component Name MESH URL stance Regulatory Services List Component Name NTP Chemical Repositoy National Toxicology Program Chemical Health and Safety Data	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators Value External Link Value
MESH Annotation Result group: MESH URLs Result group: SRS EPA Subs Result group:	Component Name 40 CFR 180 Other Status Component Name Pharmacological Action Component Name Pharmacological Action Component Name MESH URL stance Regulatory Services List Component Name NTP Chemical Repositoy National Toxicology Program Chemical Health and Safety Data exicology	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators Value External Link Value Subject to specified regulation Value SENSE ORGANS AND SPECIAL SENSES: LACRIMATION: EYE
MESH Annotation Result group: MESH URLs Result group: SRS EPA Subs Result group:	Component Name 40 CFR 180 Other Status Component Name Pharmacological Action Component Name MESH URL stance Regulatory Services List Component Name NTP Chemical Repositoy National Toxicology Program Chemical Health and Safety Data exicology Component Name Effect	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators Value External Link Value Subject to specified regulation Value SENSE ORGANS AND SPECIAL SENSES: LACRIMATION: EYE BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY)
Result group: MESH Annotatior Result group: MESH URLs Result group:	Component Name 40 CFR 180 Other Status Component Name Pharmacological Action Component Name MESH URL stance Regulatory Services List Component Name NTP Chemical Repositoy National Toxicology Program Chemical Health and Safety Data exicology Component Name NTP Chemical Repositoy National Toxicology Program Chemical Health and Safety Data	following re-submission for inclusion according to Reg. 33/2008 FR Value revoked foreign use? Value Plant Growth Regulators Value External Link Value Subject to specified regulation Value SENSE ORGANS AND SPECIAL SENSES: LACRIMATION: EYE

Toho Igakkai Zasshi. Journal of Medical Society of Toho University. Vol. 19, Pg. 336, 1972. Reference Reported Dose 1300mg/kg (1300mg/kg) Test type LD50 Result group: Component Name Value Organism mouse PubMed ID Toho Igakkai Zasshi. Journal of Medical Society of Toho University. Vol. 19, Pg. 336, 1972. Reference > 5gm/kg (5000mg/kg) Reported Dose Test type LD50 Result group: Value Component Name Organism mouse PubMed ID 0 Toho Igakkai Zasshi. Journal of Medical Society of Toho University. Vol. 19, Pg. 336, 1972. Reference Reported Dose > 2300mg/kg (2300mg/kg) Test type LD50 Result group: Component Name Value SENSE ORGANS AND SPECIAL SENSES: LACRIMATION: EYE BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) Organism PubMed ID Toho Igakkai Zasshi. Journal of Medical Society of Toho University. Vol. 19, Pg. 336, 1972. Reference Reported Dose 2125mg/kg (2125mg/kg) Test type LD50 USDA Agricultural Chemical Usage - Field Crops (2007) Result group: Component Name Value Applications (apples) 1.3 Area applied (apples) (%) 23 Pesticide type Other Chemicals Rate per application (apples) 0.034 Rate per crop year (apples) 0.043 Total applied (apples) 2.9 USDA Agricultural Chemical Usage - Field Crops (2003) Result group: Component Name Value Applications (Fall potatoes) 1.4 Applications (Upland cotton) 1.1 Area applied (Fall potatoes) (%) Area applied (Upland cotton) (%) Pesticide type Other Chemicals Rate per application (Fall potatoes) (3/) Rate per application (Upland cotton) (4/)Rate per crop year (Fall potatoes) (3/) Rate per crop year (Upland cotton) (4/) Total applied (Fall potatoes) (2/) Total applied (Upland cotton) (2/) USDA Agricultural Chemical Usage - Fruit Crops (2005) Result group: Value Component Name Area applied (Apples) (%) 19 Pesticide type Other Chemicals Rate per application (Apples) 0.041 Rate per crop year (Apples) 0.046 Total applied (Apples) 2.7 USDA Agricultural Chemical Usage - Fruit Crops (2003) Result group: Component Name Value Area applied (Apples) (%) Pesticide type Other Chemicals Rate per application (Apples) 0.03 Rate per crop year (Apples) 0.03 Total applied (Apples) 1.8 USDA Agricultural Chemical Usage - Fruit Crops (2001) Result group: Component Name Value Area applied (Apples) (%) Pesticide type Other Chemicals Total applied (Apples) 2.299999999999998 USDA Agricultural Chemical Usage - Fruit Crops (1999) Result group: Component Name Value Area applied (Apples) (%) Pesticide type Other Chemicals

		,
	Total applied (Apples)	0.6
-	l Chemical Usage - Fruit Crops (1997)	
Result group:	Common and Name	Value
	Component Name	Value 2
	Area applied (Apples) (%) Pesticide type	Other Chemicals
LICDA NACC Acci		Otter Chemicals
Result group:	cultural Chemical Use Survey for Nursery and Floriculture Crops, 2009	
rresult group.	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Crop	NURSERY; FLORICULTURE TOTALS
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:		
	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Crop	NURSERY TOTALS
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:	Component Name	Value
	Amount	(D)
	Chemical Class	CHEMICAL, OTHER
	Crop	PROPAGATIVE MATERIAL, NURSERY
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:		
	Component Name	Value
	Amount	(D)
	Chemical Class	CHEMICAL, OTHER
	Crop	TRANSPLANTS, COMMERCIAL, VEGETABLE; STRAWBERRY
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:	Common and Name	Value
	Component Name Amount	Value
	Chemical Class	(D) CHEMICAL, OTHER
	Crop	WOODY ORNAMENTALS ; VINES, OTHER
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:		
rtoodit group.	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Crop	FLORICULTURE TOTALS
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:	[I
	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER REDDING PLANTS ANNUAL
	Crop EPA PC-Code	BEDDING PLANTS, ANNUAL 116901
	State	MULTI-STATE
Result group:		
. tooun group.	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Сгор	BEDDING PLANTS, HERBACEOUS PERENNIAL
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:		1
	Component Name	Value
	Amount	(D)
	Chemical Class	CHEMICAL, OTHER
	Crop EPA PC-Code	CUT FLOWERS
	EPA PC-Code	116901 MULTI-STATE
Pocult are:	State	WIGHT-STATE
Result group:	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Сгор	FLOWERING PLANTS, POTTED, INDOOR
	EPA PC-Code	116901
	State	MULTI-STATE

		. benzyl(pariir o yr)arriirie (1214 00 1)
Result group:	Component Name	Value
	Amount	(D)
	Chemical Class	CHEMICAL, OTHER
	Crop	FOLIAGE PLANTS, INDOOR
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:		
	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Crop	PROPAGATIVE MATERIAL, FLORICULTURE
	EPA PC-Code	116901
	State	MULTI-STATE
-	ricultural Chemical Use Survey for Fruit Crops, 2009	
Result group:	Component Name	Value
	Applications	(D)
	Crop	APPLES
	EPA PC Code	116901
	Percent coverate	(D)
	Pesticide type	CHEMICAL, OTHER
	Rate per application	(D)
	Rate per crop year	(D)
	State	CALIFORNIA
	Total applied	(D)
Result group:		
. 3 -F-	Component Name	Value
	Applications	1.1000000000000001
	Crop	APPLES
	EPA PC Code	116901
	Percent coverate	11
	Pesticide type	CHEMICAL, OTHER
	Rate per application	0.059
	Rate per crop year	0.062
	State	MICHIGAN
	Total applied	300
Result group:	[a	lu .
	Component Name	Value
	Applications	2.4
	Crop	APPLES
	EPA PC Code	116901
	Percent coverate	12 CHEMICAL, OTHER
	Pesticide type Rate per application	0.029
	Rate per crop year	0.069
	State	NORTH CAROLINA
	Total applied	100
Result group:	Total applied	100
rtoduk group.	Component Name	Value
	Applications	1.2
	Сгор	APPLES
	EPA PC Code	116901
	Percent coverate	21
	Pesticide type	CHEMICAL, OTHER
	Rate per application	0.032
	Rate per crop year	0.038
	State	OREGON
	Total applied	(Z)
Result group:		T
	Component Name	Value
	Applications	1.2
	Crop	APPLES
	EPA PC Code	116901
	Percent coverate	16
	Pesticide type	CHEMICAL, OTHER 0.039
	Rate per application Rate per crop year	0.039
	State	PENNSYLVANIA
	Total applied	200
Recult aroun	τοιαι αρριιου	200
Result group:	Component Name	Value
	Applications	1.4
	Crop	PEARS
	EPA PC Code	116901
	Percent coverate	3
	Pesticide type	CHEMICAL, OTHER

Rate per application 0.076 Rate per crop year 0.104 State OREGON Total applied 100 In Vitro DSSTox ArrayExpress DSSTox Annotation Result group: Component Name Value Chemical StudyType Treatment Experiment Accession E-MEXP-749;E-MEXP-1573;E-MEXP-689;E-GEOD-1766 Experiment URL External Link Study Type microarray DSSTox GEO DSSTox Annotation Result group: Component Name Value Chemical StudyType Treatment GSE1766 **Experiment Accession** Experiment URL External Link Study Type microarray MDR-1 Result group: Component Name Value PUBCHEM_ACTIVITY_OUTCOME Inactive ChEMBL activity data Result group: Component Name Value Activity Type IC50 Assay Source Scientific Literature Bindina Assay Type Curation Expert Description Inhibitory activity (IC50) against human phosphatidylinositol 4-kinase at the ATP binding site $\,$ Operator Organism J. Med. Chem. (1990) 8:2073-2080 Reference Target PI4-kinase type II beta Target Mapping Homologous protein Units Result group: Component Name Value Activity Type Assay Source Scientific Literature Assay Type Binding Curation Expert Description Binding affinity (Ki) against human phosphatidylinositol 4-kinase Operator Organism Homo sapiens J. Med. Chem. (1990) 8:2073-2080 Reference Target PI4-kinase type II beta Target Mapping Homologous protein Result group: Component Name Value Activity Type Vmax Assay Source Scientific Literature Assav Type ADMET Curation Autocuration Description Vmax value was determined Operator Reference J. Med. Chem. (1990) 8:2073-2080 Target Mapping Unassigned Units c.p.m. Result group: Component Name Value Activity Type Km Assay Source Scientific Literature Binding Assay Type Curation Description Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site Operator Organism Homo sapiens Reference J. Med. Chem. (1990) 8:2073-2080 Target PI4-kinase type II beta Target Mapping Multiple proteins Units nΜ Result group: Component Name Value Activity Type IC50

Assay Source Scientific Literature Assay Type Binding Curation Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis. Description Operator Organism Homo sapiens J. Med. Chem. (1997) 4:408-412 Reference Cyclin-dependent kinase 1 Target Target Mapping Homologous protein Units nΜ Result group: Component Name Value Activity Type IC50 Assay Source Scientific Literature Assay Type Functional Cell Line HL-60 Curation Autocuration Description Antiproliferative activity against human HL60 cells Operator Organism Homo sapiens Reference Bioorg. Med. Chem. Lett. (2007) 7:1934-1937 HL-60 (Promyeloblast leukemia cells) Target Target Mapping Non-molecular Units nΜ Result group: Component Name Value Kcat/Km Activity Type Scientific Literature Assay Source Assay Type Binding Curation Autocuration Description Ratio Kcat to Km for Zea mays CKX1 receptor Operator Organism Zea mavs Reference Bioorg. Med. Chem. (2009) 5:1938-1947 Target Cytokinin dehydrogenase 1 Target Mapping Protein Result group: Component Name Value Activity Type Assay Source Scientific Literature Binding Assay Type Curation Activity at Zea mays CKX1 expressed in Pichinia pastonis assessed as aldehyde production by 4-aminophenol assay Description Operator Organism Bioorg. Med. Chem. (2009) 5:1938-1947 Reference Target Cytokinin dehydrogenase 1 Target Mapping Protein Units nM Result group: Component Name Value Activity Type Assay Source Scientific Literature Assay Type Binding Curation Autocuration Activity at Zea mays CKX1 expressed in Pichinia pastonis assessed as aldehyde production by 4-aminophenol assay Description Operator Organism Bioorg. Med. Chem. (2009) 5:1938-1947 Reference Cytokinin dehydrogenase 1 Target Target Mapping Protein Units s-1 Result group: Value Component Name Activity Type Assay Source Scientific Literature Assay Type Binding Curation Autocuration Description Binding affinity to Candida albicans CaCdr1p expressed in yeast AD1-8u Reference Eur. J. Med. Chem. (2010) 11:4813-4826 Target Mapping Unassigned Result group: Component Name Value Activity Type Activity Assay Source Scientific Literature

Assay Type Binding Curation Autocuration Description Binding affinity to Candida albicans CaMdr1p expressed in yeast AD1-8u Reference Eur. J. Med. Chem. (2010) 11:4813-4826 Target Mapping Unassigned Result group: Component Name Value Activity Type Assay Source Scientific Literature Assay Type Functional Curation Autocuration Antifungal activity against yeast AD1-8u expressing Candida albicans CaCdr1p by agar disk diffusion assay Description Operator Organism Saccharomyces cerevisiae Reference Eur. J. Med. Chem. (2010) 11:4813-4826 Target Saccharomyces cerevisiae Target Mapping Non-molecular Units cm Result group: Component Name Value Activity Type ΙZ Assay Source Scientific Literature Assay Type Functional Curation Autocuration Antifungal activity against yeast AD1-8u expressing Candida albicans CaMdr1p by agar disk diffusion assay Description Operator Organism Saccharomyces cerevisiae Reference Eur. J. Med. Chem. (2010) 11:4813-4826 Saccharomyces cerevisiae Target Target Mapping Non-molecula Units cm Result group: Component Name Value Activity Type Assay Source PubChem BioAssays Assay Type Functional Curation Autocuration PubChem BioAssay. qHTS Assay for Modulators of Lamin A Splicing. (Class of assay: confirmatory) Description Operator Organism Homo sapiens Reference PubChem BioAssay data set ():-Prelamin-A/C Target Target Mapping Protein Units nΜ Result group: Value Component Name Activity Type Assay Source PubChem BioAssays Assay Type Functional Curation Autocuration PubChem BioAssay. qHTS Assay for Agonists of the Thyroid Stimulating Hormone Receptor. (Class of assay: confirmatory) Description Operator Organism Homo sapiens Reference PubChem BioAssay data set ():-Target Thyroid stimulating hormone receptor Target Mapping nΜ Units Result group: Component Name Value Activity Type Assay Source PubChem BioAssays Assay Type Functional Curation Autocuration PubChem BioAssay. qHTS Assay for Lipid Storage Modulators in Drosophila S3 Cells. (Class of assay: confirmatory) Description Operator PubChem BioAssay data set ():-Reference Target Mapping Unassigned Units nΜ Result group: Value Component Name Activity Type Potency Assay Source PubChem BioAssays Assay Type Binding Curation Autocuration

	Description	PubChem BioAssay. qHTS Assay for Identification of Novel General
	·	Anesthetics. In this assay, a GABAergic mimetic model system, apoferritin
		and a profluorescent 1-aminoanthracene ligand (1-AMA), was used to construct a competitive binding assay for identification of novel general
		anesthetics (Class of assay: confirmatory) [Related pubchem assays: 2385 (Probe Development Summary for Identification of Novel General
		Anesthetics), 2323 (Validation apoterritin assay run on SigmaAldrich
		LOPAC1280 collection)]
	Operator	=
	Organism	Equus caballus
	Reference	PubChem BioAssay data set () :-
	Target	Ferritin light chain
	Target Mapping	Protein
	Units	nM
Result group:		
result group.	Component Name	Value
	Activity Type	Potency
	Assay Source	PubChem BioAssays
	Assay Type	ADMET
		Autocuration
	Curation	
	Description	PubChem BioAssay. qHTS Assay for Inhibitors and Substrates of Cytochrome P450 2D6. (Class of assay: confirmatory) [Related pubchem
		assays: 410]
	Operator	=
	Organism	Homo sapiens
	Reference	PubChem BioAssay data set ():-
	Target	Cytochrome P450 2D6
	-	Protein
	Target Mapping	
	Units	nM
Result group:	Company Name	Value
	Component Name	Value
	Activity Type	IC50
	Assay Source	Scientific Literature
	Assay Type	Functional
	Curation	Autocuration
	Description	Inhibition of inosine/L-alanine-induced Bacillus anthracis Sterne 34F2 spore
	·	germination pretreated for 15 mins before inosine/L-alanine challenge
	Operator	=
	Reference	Antimicrob. Agents Chemother. (2010) 12:5329-5336
	Target Mapping	Unassigned
	Units	nM
Result group:		
greep.	Component Name	Value
	Activity Type	IC50
	Assay Source	Scientific Literature
	Assay Type	Functional
	Curation	Autocuration
	Culation	
	Description	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced
		Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours
	Description	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs
	Description Reference	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336
	Description	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs
Result group:	Description Reference Target Mapping	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned
Result group:	Description Reference Target Mapping Component Name	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned
Result group:	Description Reference Target Mapping	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned
Result group:	Description Reference Target Mapping Component Name	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned
Result group:	Description Reference Target Mapping Component Name Activity Type	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity
Result group:	Description Reference Target Mapping Component Name Activity Type Assay Source	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature
Result group:	Reference Target Mapping Component Name Activity Type Assay Source Assay Type	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET
Result group:	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1
Result group:	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration
Result group:	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus
Result group:	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336
Result group:	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells)
	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336
Result group:	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular
	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular
	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular
	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays
	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular
	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays
	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source Assay Type Assay Source Assay Type	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays Functional Autocuration PubChem BioAssay. gHTS Assay to Find Inhibitors of Chronic Active B-Cell
	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source Assay Type Curation	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays Functional Autocuration PubChem BioAssay. qHTS Assay to Find Inhibitors of Chronic Active B-Cell Receptor Signaling. (Class of assay: confirmatory) [Related pubchem
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	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source Assay Type Curation Component Name Activity Type Assay Source Assay Type Curation Description Reference	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays Functional Autocuration PubChem BioAssay. qHTS Assay to Find Inhibitors of Chronic Active B-Cell Receptor Signaling. (Class of assay: confirmatory) [Related pubchem assays (depositor defined):AID485345, AID485355] PubChem BioAssay data set ():-
	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source Assay Type Curation Description Component Name Activity Type Assay Source Assay Type Curation Description Reference Target Mapping	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays Functional Autocuration PubChem BioAssay. qHTS Assay to Find Inhibitors of Chronic Active B-Cell Receptor Signaling. (Class of assay: confirmatory) [Related pubchem assays (depositor defined):AID485345, AID485355] PubChem BioAssay data set ():- Unassigned
Result group:	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source Assay Type Curation Component Name Activity Type Assay Source Assay Type Curation Description Reference	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays Functional Autocuration PubChem BioAssay. qHTS Assay to Find Inhibitors of Chronic Active B-Cell Receptor Signaling. (Class of assay: confirmatory) [Related pubchem assays (depositor defined):AID485345, AID485355] PubChem BioAssay data set ():-
Result group:	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source Assay Type Curation Description Component Name Activity Type Assay Source Assay Type Curation Description Reference Target Mapping Units	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays Functional Autocuration PubChem BioAssay. qHTS Assay to Find Inhibitors of Chronic Active B-Cell Receptor Signaling. (Class of assay: confirmatory) [Related pubchem assays (depositor defined):AID485345, AID485355] PubChem BioAssay data set ():- Unassigned
Result group: Use ABC (American E	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source Assay Type Curation Description Component Name Activity Type Assay Source Assay Type Curation Description Reference Target Mapping	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays Functional Autocuration PubChem BioAssay. qHTS Assay to Find Inhibitors of Chronic Active B-Cell Receptor Signaling. (Class of assay: confirmatory) [Related pubchem assays (depositor defined):AID485345, AID485355] PubChem BioAssay data set ():- Unassigned
Result group:	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source Assay Type Curation Description Reference Target Mapping Component Name Activity Type Assay Source Assay Type Curation Description Reference Target Mapping Units	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays Functional Autocuration PubChem BioAssay. qHTS Assay to Find Inhibitors of Chronic Active B-Cell Receptor Signaling. (Class of assay: confirmatory) [Related pubchem assays (depositor defined):AID485345, AID485345] PubChem BioAssay data set ():- Unassigned uM
Result group: Use ABC (American E	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source Assay Type Curation Description Component Name Activity Type Assay Source Assay Type Curation Description Reference Target Mapping Units Bird Conservancy) Pesticide Toxicity Data Table Component Name	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays Functional Autocuration PubChem BioAssay. qHTS Assay to Find Inhibitors of Chronic Active B-Cell Receptor Signaling. (Class of assay: confirmatory) [Related pubchem assays (depositor defined):AID485345, AID4853455] PubChem BioAssay data set ():- Unassigned uM
Result group: Use ABC (American E	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source Assay Type Curation Description Component Name Activity Type Assay Source Assay Type Curation Description Reference Target Mapping Units Bird Conservancy) Pesticide Toxicity Data Table Component Name If extrapolated, # species.	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays Functional Autocuration PubChem BioAssay. qHTS Assay to Find Inhibitors of Chronic Active B-Cell Receptor Signaling. (Class of assay: confirmatory) [Related pubchem assays (depositor defined):AID485345, AID485355] PubChem BioAssay data set ():- Unassigned uM
Result group: Use ABC (American E	Reference Target Mapping Component Name Activity Type Assay Source Assay Type Cell Line Curation Description Organism Reference Target Target Mapping Component Name Activity Type Assay Source Assay Type Curation Description Component Name Activity Type Assay Source Assay Type Curation Description Reference Target Mapping Units Bird Conservancy) Pesticide Toxicity Data Table Component Name	Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Antimicrob. Agents Chemother. (2010) 12:5329-5336 Unassigned Value Activity Scientific Literature ADMET J774.A1 Autocuration Cytotoxicity against mouse J774A1 cells Mus musculus Antimicrob. Agents Chemother. (2010) 12:5329-5336 J774.A1 (Macrophage cells) Non-molecular Value Potency PubChem BioAssays Functional Autocuration PubChem BioAssay. qHTS Assay to Find Inhibitors of Chronic Active B-Cell Receptor Signaling. (Class of assay: confirmatory) [Related pubchem assays (depositor defined):AID485345, AID4853455] PubChem BioAssay data set ():- Unassigned uM

	nment APVMA approved active substances	
Result group:		T., .
	Component Name	Value
	Approval Holder	Valent Biosciences A Div Of Sumitomo Chemical Australia
	Approval No.	44449
	Manufacturing Site	Abbott Laboratories Chemical; Agricultural Products Div. 1401 Sheridan Road North Chicago II 60064 Usa
Result group:	Component Name	Value
	Approval Holder	Bloomfresh Pty Ltd
	Approval No.	44598
	Manufacturing Site	Krishi Rasayan (bihar) Shed 2a Large Industrial Estate Rk Ashram,
D #	3	Muzzaffarpúr, Bihar Índia
Result group:	Component Name	Value
	Approval Holder	Valent Biosciences A Div Of Sumitomo Chemical Australia
	Approval No.	51841
	Manufacturing Site	Zhejiang Shenghua Biok Biology Co. Ltd No.1 Zhongguan Industrial Park Deqing, Zhejiang Province 313220 Pr China
Result group:		Dequity, Elleplang Frovince 313220 Fr Grillia
3 - 1	Component Name	Value
	Approval Holder	Valent Biosciences A Div Of Sumitomo Chemical Australia
	Approval No.	51842
	Manufacturing Site	Borregaard Synthesis Inc 9 Opportunity Way Newburyport, Massachusets 10950 Usa
Result group:		L
	Component Name	Value
	Approval Holder	Farmoz Pty Limited
	Approval No.	53351
	Manufacturing Site	Shanghai No. 18 Pharmaceutical Factory No. 804 Bao San Road Shanghai 200081 Pr China
Result group:	0	lv-t
	Component Name	Value
	Approval Holder	Valent Biosciences A Div Of Sumitomo Chemical Australia
	Approval No.	61044
	Manufacturing Site	Valent Biosciences Corporation Sichuan Guoguang Agrochemical Co Ltd 28 Dongfeng Rd Jian Yang City Sichuan 641400 China
Result group:	Commonant Name	Value
	Component Name	Value Fine Agreehemicals Limited
	Approval Holder	Fine Agrochemicals Limited 62241
	Approval No.	
	Manufacturing Site	Taizhou Dapeng Pharmaceutical Industry Co Ltd Yanhui Industrial Zone Linhai City Zhejiang Province 317016 China
	Fact Sheets URL	
Result group:	Component Name	Value
	EPA Pesticide Fact Sheet (PFS) Biopesticide URL	External Link
	EPA Pesticide Reregistration Eligibility Decision (RED) Factsheet URL	External Link
EPA Pesticide Re	eregistration Status	
Result group:		
	Component Name	Value
	Case Number	case 2040
	Status	RED (Reregistration Eligibility Decisions) signed (06/1994)
	Туре	
		plant growth regulator
	eregistration eligibility documents	plant growth regulator
EPA Pesticide Re Result group:		plant growth regulator Value
	eregistration eligibility documents Component Name Fact Sheet URL	
Result group:	Component Name Fact Sheet URL RED URL	Value
Result group: EPA Inert Ingredi	Component Name Fact Sheet URL RED URL	Value External Link
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Result group: EPA Inert Ingredi Result group: EPA Registration	Component Name Fact Sheet URL RED URL itents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date	Value External Link External Link Value 40 CFR Part 180 Value 06/01/94
Result group: EPA Inert Ingredi Result group: EPA Registration	Component Name Fact Sheet URL RED URL itents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered	Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85
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Result group: EPA Inert Ingredi Result group: EPA Registration	Component Name Fact Sheet URL RED URL itents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code	Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901
Result group: EPA Inert Ingredi Result group: EPA Registration	Component Name Fact Sheet URL RED URL itents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status	Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed
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Result group: EPA Inert Ingredi Result group: EPA Registration Result group:	Component Name Fact Sheet URL RED URL itents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status RED Status Date Registration Review Case Name	Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed
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Result group: EPA Inert Ingredi Result group: EPA Registration Result group:	Component Name Fact Sheet URL RED URL itents Component Name Relevant FR citation Review: Schedule for Beginning Reviews - 2011 to 2014 (Biochemicals) Component Name Baseline Date First Registered Fiscal Year Schedule PC Code RED Status RED Status RED Status Date Registration Review Case Name ve Pesticides Information (related to registration) Component Name Classification First Registered PC Code	Value External Link External Link Value 40 CFR Part 180 Value 06/01/94 03/05/85 2011 116901 Completed 06/01/94 Benzyladenine Value BIOCHEMICAL 11-May-84 PCCCODE_116901

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Composent Mane Value Composent Mane Va		Use Tulefailles	
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Commonition		CFR Citation	180.115
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Crop Value Crop APPLES		State	NEW YORK
Crop APPLES	Result group:		
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Pesticide type OTHER PESTICIDES			APPLES
- 55.10.100 type		Pesticide type	OTHER PESTICIDES

	Reference	999 OHIO
D **	State	OHIO
Result group:	Component Name	Value
	,	APPLES
	Crop	
	Pesticide type	OTHER PESTICIDES
	Reference	999
	State	OREGON
Result group:	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	Reference	999
	State	VIRGINIA
S	State	VIRGINIA
Result group:	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	Reference	999
	State	WEST VIRGINIA
Result group:	Component Name	Value
	· ·	APPLES
	Crop	
	Pesticide type	OTHER PESTICIDES
	Reference	999
	State	INDIANA
	for Food and Agricultural Policy (NCFAP) National Pes	sticide Use Database for 1992
Result group:	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	CONNECTICUT
Result group:	Component Name	Value
		APPLES
	Crop	
	Pesticide type	OTHER PESTICIDES
	State	IDAHO
Result group:	Component Name	Value
		<u> </u>
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	WASHINGTON
Result group:	Component Name	Value
	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	MICHIGAN
Result group:		
	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	PENNSYLVANIA
Result group:		
	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	MAINE
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g. oup.	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	NEW HAMPSHIRE
Result group:		
, g. oup.	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	NEW YORK
Result group:		
woun group.	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
Decult	State	OHIO
Result group:	Component Name	Value
		APPLES
	Crop	AFFLLS
	Destiside time	OTHER RECTIONES
	Pesticide type State	OTHER PESTICIDES OREGON

	Onomical Cammary. Sonizy.	(pariir o yr)arriirie (1214 oo 1)
Result group:	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	VIRGINIA
Result group:	Component Name	Value
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	WEST VIRGINIA
Result group:	O	Water
	Crop	APPLES
	Pesticide type	OTHER PESTICIDES
	State	INDIANA
UK Pesticide Prop	perties Database	
Result group:	Component Name	Value
	Pesticide data page URL	External Link
Result group:		
	Component Name	Value
UK Chemical Type	Pesticide data page URL	External Link
Result group:	(positiones)	
	Component Name	Value
December and the second	Category	Pesticide active ingredient
Result group:	Component Name	Value
	Category	Biopesicides
-	Chemical Usage - Field Crops (2007)	
Result group:	Component Name	Value
	Applications (apples)	1.3
	Area applied (apples) (%)	23
	Pesticide type	Other Chemicals
	Rate per application (apples) Rate per crop year (apples)	0.034 0.043
	Total applied (apples)	2.9
USDA Agricultura	I Chemical Usage - Field Crops (2003)	
Result group:	0	Water
	Component Name Applications (Fall potatoes)	1.4
	Applications (Upland cotton)	1.1
	Area applied (Fall potatoes) (%)	*
	Area applied (Upland cotton) (%)	*
	Pesticide type Rate per application (Fall potatoes)	Other Chemicals (3/)
	Rate per application (Upland cotton)	(4/)
	Rate per crop year (Fall potatoes)	(3/)
	Rate per crop year (Upland cotton)	(4/)
	Total applied (Fall potatoes)	(2/)
LISDA Agricultura	Total applied (Upland cotton) Chemical Usage - Fruit Crops (2005)	(2/)
Result group:	r Orientical Osage - Fruit Orops (2000)	
	Component Name	Value
	Area applied (Apples) (%) Pesticide type	19 Other Chemicals
	Rate per application (Apples)	0.041
	Rate per crop year (Apples)	0.046
	Total applied (Apples)	2.7
-	l Chemical Usage - Fruit Crops (2003)	
Result group:	Component Name	Value
	Area applied (Apples) (%)	18
	Pesticide type	Other Chemicals
	Rate per application (Apples) Rate per crop year (Apples)	0.03 0.03
		0.00
	Total applied (Apples)	1.8
USDA Agricultura		1.8
USDA Agricultura Result group:	Total applied (Apples) I Chemical Usage - Fruit Crops (2001)	
-	Total applied (Apples) I Chemical Usage - Fruit Crops (2001) Component Name	Value
-	Total applied (Apples) I Chemical Usage - Fruit Crops (2001)	
-	Total applied (Apples) I Chemical Usage - Fruit Crops (2001) Component Name Area applied (Apples) (%)	Value 20
Result group: USDA Agricultura	Total applied (Apples) I Chemical Usage - Fruit Crops (2001) Component Name Area applied (Apples) (%) Pesticide type	Value 20 Other Chemicals
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Result group: USDA Agricultura	Total applied (Apples) I Chemical Usage - Fruit Crops (2001) Component Name Area applied (Apples) (%) Pesticide type Total applied (Apples)	Value 20 Other Chemicals
Result group: USDA Agricultura	Total applied (Apples) I Chemical Usage - Fruit Crops (2001) Component Name Area applied (Apples) (%) Pesticide type Total applied (Apples) I Chemical Usage - Fruit Crops (1999) Component Name	Value 20 Other Chemicals 2.2999999999998

		, ,
	Total applied (Apples)	0.6
-	I Chemical Usage - Fruit Crops (1997)	
Result group:	Component Name	Value
	Area applied (Apples) (%)	2
	Pesticide type	Other Chemicals
USDA NASS Agri	cultural Chemical Use Survey for Nursery and Floriculture Crops, 2009	
Result group:	· · · · · · · · · · · · · · · · · · ·	
	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Crop EPA PC-Code	NURSERY ; FLORICULTURE TOTALS 116901
	State	MULTI-STATE
Result group:		
rtoour group.	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Crop	NURSERY TOTALS
	EPA PC-Code	116901
5 "	State	MULTI-STATE
Result group:	Component Name	Value
	Amount	(D)
	Chemical Class	CHEMICAL, OTHER
	Сгор	PROPAGATIVE MATERIAL, NURSERY
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:		Tu .
	Component Name	Value
	Amount Chamical Class	(D)
	Chemical Class Crop	CHEMICAL, OTHER TRANSPLANTS, COMMERCIAL, VEGETABLE; STRAWBERRY
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:		
3 1	Component Name	Value
	Amount	(D)
	Chemical Class	CHEMICAL, OTHER
	Crop	WOODY ORNAMENTALS ; VINES, OTHER
	EPA PC-Code	116901
Decult around	State	MULTI-STATE
Result group:	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Crop	FLORICULTURE TOTALS
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:	O	Mater
	Component Name Amount	Value
	Chemical Class	(Z) CHEMICAL, OTHER
	Crop	BEDDING PLANTS, ANNUAL
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:		
•	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Crop	BEDDING PLANTS, HERBACEOUS PERENNIAL
	EPA PC-Code State	116901 MULTI-STATE
Result group:	Sidio	MOETI STATE
rtesuit group.	Component Name	Value
	Amount	(D)
	Chemical Class	CHEMICAL, OTHER
	Сгор	CUT FLOWERS
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Crop	FLOWERING PLANTS, POTTED, INDOOR
	EPA PC-Code	116901
	State	MULTI-STATE

Result group:	Component Name	Value
	Amount	(D)
	Chemical Class	CHEMICAL, OTHER
	Crop	FOLIAGE PLANTS, INDOOR
	EPA PC-Code	116901
	State	MULTI-STATE
Result group:	Component Name	Value
	Amount	(Z)
	Chemical Class	CHEMICAL, OTHER
	Crop	PROPAGATIVE MATERIAL, FLORICULTURE
	EPA PC-Code	116901
	State	MULTI-STATE
-	ricultural Chemical Use Survey for Fruit Crops, 2009	
Result group:	Component Name	Value
	Applications	(D)
	Crop	APPLES
	EPA PC Code	116901
	Percent coverate	(D)
	Pesticide type	CHEMICAL, OTHER
	Rate per application	(D)
	Rate per crop year	(D)
	State	CALIFORNIA
	Total applied	(D)
Result group:		
•	Component Name	Value
	Applications	1.100000000000001
	Crop	APPLES
	EPA PC Code	116901
	Percent coverate	11
	Pesticide type	CHEMICAL, OTHER
	Rate per application	0.059
	Rate per crop year	0.062
	State	MICHIGAN
	Total applied	300
Result group:		
Result group.	Component Name	Value
	Applications	2.4
	Crop	APPLES
	EPA PC Code	116901
	Percent coverate	12
		CHEMICAL, OTHER
	Pesticide type	
	Rate per application	0.029
	Rate per crop year	0.069
	State	NORTH CAROLINA
	Total applied	100
Result group:		
	Component Name	Value
	Applications	1.2
	Applications Crop	1.2 APPLES
	Applications Crop EPA PC Code	1.2 APPLES 116901
	Applications Crop EPA PC Code Percent coverate	1.2 APPLES 116901 21
	Applications Crop EPA PC Code Percent coverate Pesticide type	1.2 APPLES 116901 21 CHEMICAL, OTHER
	Applications Crop EPA PC Code Percent coverate	1.2 APPLES 116901 21
	Applications Crop EPA PC Code Percent coverate Pesticide type	1.2 APPLES 116901 21 CHEMICAL, OTHER
	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032
	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z)
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER 0.039
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER 0.039 0.046
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER 0.039 0.046 PENNSYLVANIA
	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER 0.039 0.046
	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER 0.039 0.046 PENNSYLVANIA 200
	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER 0.039 0.046 PENNSYLVANIA 200 Value
	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER 0.039 0.046 PENNSYLVANIA 200 Value 1.4
Result group:	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER 0.039 0.046 PENNSYLVANIA 200 Value 1.4 PEARS
	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER 0.039 0.046 PENNSYLVANIA 200 Value 1.4
	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER 0.039 0.046 PENNSYLVANIA 200 Value 1.4 PEARS
	Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied Component Name Applications Crop EPA PC Code Percent coverate Pesticide type Rate per application Rate per crop year State Total applied	1.2 APPLES 116901 21 CHEMICAL, OTHER 0.032 0.038 OREGON (Z) Value 1.2 APPLES 116901 16 CHEMICAL, OTHER 0.039 0.046 PENNSYLVANIA 200 Value 1.4 PEARS 116901

Rate per application

0.076

	Rate per crop year	0.104
	State	OREGON
	Total applied	100
ChEMBL activity		
Result group:		
	Component Name	Value
	Activity Type	IC50
	Assay Source	Scientific Literature
	Assay Type	Binding
	Curation	Expert
	Description	Inhibitory activity (IC50) against human phosphatidylinositol 4-kinase at the
		ATP binding site
	Operator	
	Organism	Homo sapiens
	Reference	J. Med. Chem. (1990) 8:2073-2080
	Target	PI4-kinase type II beta
	Target Mapping	Homologous protein
	Units	nM
Result group:		I
	Component Name	Value
	Activity Type	Ki
	Assay Source	Scientific Literature
	Assay Type	Binding
	Curation	Expert
	Description	Binding affinity (Ki) against human phosphatidylinositol 4-kinase
	Operator	=
	Organism	Homo sapiens
	Reference	J. Med. Chem. (1990) 8:2073-2080
	Target	PI4-kinase type II beta
	Target Mapping	Homologous protein
	Units	nM
Result group:		
	Component Name	Value
	Activity Type	Vmax
	Assay Source	Scientific Literature
	Assay Type	ADMET
	Curation	Autocuration
	Description	Vmax value was determined
	Operator	=
	Reference	J. Med. Chem. (1990) 8:2073-2080
	Reference Target Mapping	J. Med. Chem. (1990) 8:2073-2080 Unassigned
Result group:	Target Mapping	Unassigned
Result group:	Target Mapping	Unassigned
Result group:	Target Mapping Units	Unassigned c.p.m.
Result group:	Target Mapping Units Component Name	Unassigned c.p.m.
Result group:	Target Mapping Units Component Name Activity Type	Unassigned c.p.m. Value Km
Result group:	Target Mapping Units Component Name Activity Type Assay Source	Unassigned c.p.m. Value Km Scientific Literature
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type	Unassigned c.p.m. Value Km Scientific Literature Binding
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation	Unassigned c.p.m. Value Km Scientific Literature Binding Expert
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site =
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis.
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis. =
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis. = Homo sapiens
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Assay Type Curation Description Operator Organism Reference	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis. = Homo sapiens J. Med. Chem. (1997) 4:408-412
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis. Homo sapiens J. Med. Chem. (1997) 4:408-412 Cyclin-dependent kinase 1
	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Mapping Units	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis. Homo sapiens J. Med. Chem. (1997) 4:408-412 Cyclin-dependent kinase 1 Homologous protein
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Mapping Units	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis. Homo sapiens J. Med. Chem. (1997) 4:408-412 Cyclin-dependent kinase 1 Homologous protein
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Mapping Units	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis. Homo sapiens J. Med. Chem. (1997) 4:408-412 Cyclin-dependent kinase 1 Homologous protein nM
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase occytes of the starfish Marthasterias glacialis. Homo sapiens J. Med. Chem. (1997) 4:408-412 Cyclin-dependent kinase 1 Homologous protein nM
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis. Homo sapiens J. Med. Chem. (1997) 4:408-412 Cyclin-dependent kinase 1 Homologous protein nM Value IC50
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site = Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis. = Homo sapiens J. Med. Chem. (1997) 4:408-412 Cyclin-dependent kinase 1 Homologous protein nM Value IC50 Scientific Literature
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase oocytes of the starfish Marthasterias glacialis. Homo sapiens J. Med. Chem. (1997) 4:408-412 Cyclin-dependent kinase 1 Homologous protein nM Value IC50 Scientific Literature Functional
Result group:	Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Type Curation Description Operator Organism Reference Target Target Mapping Units Component Name Activity Type Assay Source Assay Source Assay Source Assay Source Assay Source Assay Source Assay Type Cell Line	Unassigned c.p.m. Value Km Scientific Literature Binding Expert Inhibition of Phosphatidylinositol 4-kinase at the ATP binding site Homo sapiens J. Med. Chem. (1990) 8:2073-2080 PI4-kinase type II beta Multiple proteins nM Value IC50 Scientific Literature Binding Expert Inhibitory activity against purified cdc2 p34/Cyclin B obtained from M phase occytes of the starfish Marthasterias glacialis. Homo sapiens J. Med. Chem. (1997) 4:408-412 Cyclin-dependent kinase 1 Homologous protein nM Value IC50 Scientific Literature Functional HL-60

Operator Organism Homo sapiens Reference Bioorg. Med. Chem. Lett. (2007) 7:1934-1937 HL-60 (Promyeloblast leukemia cells) Target Target Mapping Non-molecular Units nΜ Result group: Component Name Value Activity Type Assay Source Scientific Literature Assay Type Binding Curation Autocuration Description Ratio Kcat to Km for Zea mays CKX1 receptor Operator Organism Zea mavs Reference Bioorg. Med. Chem. (2009) 5:1938-1947 Cytokinin dehydrogenase 1 Target Target Mapping Protein Result group: Component Name Value Activity Type Km Assay Source Scientific Literature Assay Type Binding Curation Activity at Zea mays CKX1 expressed in Pichinia pastonis assessed as aldehyde production by 4-aminophenol assay Description Operator Organism Bioorg. Med. Chem. (2009) 5:1938-1947 Reference Target Cytokinin dehydrogenase 1 Target Mapping Protein Units nM Result group: Component Name Value Activity Type Kcat Scientific Literature Assay Source Assay Type Binding Curation Autocuration Activity at Zea mays CKX1 expressed in Pichinia pastonis assessed as aldehyde production by 4-aminophenol assay Description Operator Organism Bioorg. Med. Chem. (2009) 5:1938-1947 Reference Cytokinin dehydrogenase 1 Target Target Mapping Units s-1 Result group: Component Name Value Activity Type Activity Assay Source Scientific Literature Assay Type Binding Curation Autocuration Description Binding affinity to Candida albicans CaCdr1p expressed in yeast AD1-8u Reference Eur. J. Med. Chem. (2010) 11:4813-4826 Target Mapping Unassigned Result group: Component Name Value Activity Type Activity Assay Source Scientific Literature Binding Assay Type Curation Description Binding affinity to Candida albicans CaMdr1p expressed in yeast AD1-8u Reference Eur. J. Med. Chem. (2010) 11:4813-4826 Target Mapping Unassigned Result group: Component Name Value Activity Type Scientific Literature Assay Source Assav Type Functional Curation Description Antifungal activity against yeast AD1-8u expressing Candida albicans CaCdr1p by agar disk diffusion assay Operator Organism Saccharomyces cerevisiae Reference Eur. J. Med. Chem. (2010) 11:4813-4826 Target Saccharomyces cerevisiae Target Mapping Non-molecular Units cm

	Component Name	Value
	,	IZ
	Activity Type	
	Assay Source	Scientific Literature
	Assay Type	Functional
	Curation	Autocuration
	Description	Antifungal activity against yeast AD1-8u expressing Candida albicans CaMdr1p by agar disk diffusion assay
	Operator	=
	Organism	Saccharomyces cerevisiae
	Reference	Eur. J. Med. Chem. (2010) 11:4813-4826
	Target	Saccharomyces cerevisiae
	Target Mapping	Non-molecular
	Units	cm
ılt group:	Component Name	Value
	Activity Type	Potency
	Assay Source	PubChem BioAssays
	Assay Type	Functional
	Curation	Autocuration
	Description	PubChem BioAssay. qHTS Assay for Modulators of Lamin A Splicing. (Class of assay: confirmatory)
	Operator Organism	= Homo sapiens
	Organism	·
	Reference	PubChem BioAssay data set ():-
	Target	Prelamin-A/C
	Target Mapping	Protein
lt aug	Units	nM
lt group:	Component Name	Value
	Activity Type	Potency
	Assay Source	PubChem BioAssays
	Assay Type	Functional
	Curation	Autocuration
	Description	PubChem BioAssay. qHTS Assay for Agonists of the Thyroid Stimulatin
	Operator	Hormone Receptor. (Class of assay: confirmatory)
	Organism	Homo sapiens
	Reference	PubChem BioAssay data set () :-
	Target	Thyroid stimulating hormone receptor
	Target Mapping	Protein
lt aroun:	Units	nM
It group:	Component Name	Value
	Activity Type	Potency
	Assay Source	PubChem BioAssays
	Assay Type	Functional
	Curation	Autocuration
	Description	PubChem BioAssay, gHTS Assay for Lipid Storage Modulators in Drosc
		S3 Cells. (Class of assay: confirmatory)
	Operator Reference	= PubChem BioAssay data set ():-
		, ,
	Target Mapping	Unassigned
lt group:	Units	nM
д. оар.	Component Name	Value
	Activity Type	Potency
	Assay Source	PubChem BioAssays
		·
	Assay Type	Binding
	Assay Type Curation	Binding Autocuration
	Assay Type	Binding Autocuration PubChem BioAssay, qHTS Assay for Identification of Novel General Anesthetics. In this assay, a GABAergic mimetic model system, apoferr and a profluorescent 1-aminoanthracene ligand (1-AMA), was used to construct a competitive binding assay for identification of novel general anesthetics (Class of assay: confirmatory) [Related pubchem assays: 2 (Probe Development Summary for Identification of Novel General Anesthetics), 2323 (Validation apoferritin assay run on SigmaAldrich
	Assay Type Curation Description	Binding Autocuration PubChem BioAssay. qHTS Assay for Identification of Novel General Anesthetics. In this assay, a GABAergic mimetic model system, apoferr and a profiluorescent of -aminoanthracene ligand (1-AMA), was used to construct a competitive binding assay for identification of novel general anesthetics (Class of assay: confirmatory) [Related pubchem assays: 2 (Probe Development Summary for Identification of Novel General Anesthetics), 2323 (Validation apoferritin assay run on SigmaAldrich LOPAC1280 collection)]
	Assay Type Curation Description Operator	Binding Autocuration PubChem BioAssay. qHTS Assay for Identification of Novel General Anesthetics. In this assay, a GABAergic mimetic model system, apoferr and a profiluorescent of -aminoanthracene ligand (1-AMA), was used to construct a competitive binding assay for identification of novel general anesthetics (Class of assay: confirmatory) [Related pubchem assays: 2 (Probe Development Summary for Identification of Novel General Anesthetics), 2323 (Validation apoferritin assay run on SigmaAldrich LOPAC1280 collection)]
	Assay Type Curation Description Operator Organism	Binding Autocuration PubChem BioAssay. qHTS Assay for Identification of Novel General Anesthetics. In this assay, a GABAergic mimetic model system, apoferri and a profiluorescent 1-aminoanthracene ligand (1-AMA), was used to construct a competitive binding assay for identification of novel general anesthetics (Class of assay: confirmatory) [Related pubchem assays: 2 (Probe Development Summary for Identification of Novel General Anesthetics), 2323 (Validation apoferritin assay run on SigmaAldrich LOPAC1280 collection)] = Equus caballus
	Assay Type Curation Description Operator Organism Reference	Binding Autocuration PubChem BioAssay. qHTS Assay for Identification of Novel General Anesthetics. In this assay, a GABAergic mimetic model system, apoferri and a profiluorescent 1-aminoanthracene ligand (1-AMA), was used to construct a competitive binding assay for identification of novel general anesthetics (Class of assay: confirmatory) [Related pubchem assays: 2 (Probe Development Summary for Identification of Novel General Anesthetics), 2323 (Validation apoferritin assay run on SigmaAldrich LOPAC1280 collection)] = Equus caballus PubChem BioAssay data set ():-
	Assay Type Curation Description Operator Organism Reference Target	Binding Autocuration PubChem BioAssay. qHTS Assay for Identification of Novel General Anesthetics. In this assay, a GABAergic mimetic model system, apoferri and a profiluorescent 1-aminoanthracene ligand (1-AMA), was used to construct a competitive binding assay for identification of novel general anesthetics (Class of assay: confirmatory) [Related pubchem assays: 2 (Probe Development Summary for Identification of Novel General Anesthetics), 2323 (Validation apoferritin assay run on SigmaAldrich LOPAC1280 collection)] = Equus caballus PubChem BioAssay data set ():- Ferritin light chain
	Assay Type Curation Description Operator Organism Reference Target Target Mapping	Binding Autocuration PubChem BioAssay. qHTS Assay for Identification of Novel General Anesthetics. In this assay, a GABAergic mimetic model system, apoferri and a profluorescent 1-aminoanthracene ligand (1-AMA), was used to construct a competitive binding assay for identification of novel general anesthetics (Class of assay: confirmatory) [Related pubchem assays: 2 (Probe Development Summary for Identification of Novel General Anesthetics), 2323 (Validation apoferritin assay run on SigmaAldrich LOPAC1280 collection)] = Equus caballus PubChem BioAssay data set ():- Ferritin light chain Protein
It group:	Assay Type Curation Description Operator Organism Reference Target	Binding Autocuration PubChem BioAssay. qHTS Assay for Identification of Novel General Anesthetics. In this assay, a GABAergic mimetic model system, apoferri and a profiluorescent 1-aminoanthracene ligand (1-AMA), was used to construct a competitive binding assay for identification of novel general anesthetics (Class of assay: confirmatory) [Related pubchem assays: 2 (Probe Development Summary for Identification of Novel General Anesthetics), 2323 (Validation apoferritin assay run on SigmaAldrich LOPAC1280 collection)] = Equus caballus PubChem BioAssay data set ():- Ferritin light chain
t group:	Assay Type Curation Description Operator Organism Reference Target Target Mapping Units	Binding Autocuration PubChem BioAssay. qHTS Assay for Identification of Novel General Anesthetics. In this assay, a GABAergic mimeric model system, apoferri and a profluorescent 1-aminoanthracene ligand (1-AMA), was used to construct a competitive binding assay for identification of novel general anesthetics (Class of assay: confirmatory) [Related pubchem assays: 2 (Probe Development Summary for Identification of Novel General Anesthetics), 2323 (Validation apoferritin assay run on SigmaAldrich LOPAC1280 collection)] = Equus caballus PubChem BioAssay data set ():- Ferritin light chain Protein nM
It group:	Assay Type Curation Description Operator Organism Reference Target Target Mapping	Binding Autocuration PubChem BioAssay. qHTS Assay for Identification of Novel General Anesthetics. In this assay, a GABAergic mimetic model system, apoferri and a profluorescent 1-aminoanthracene ligand (1-AMA), was used to construct a competitive binding assay for identification of novel general anesthetics (Class of assay: confirmatory) [Related pubchem assays: 2 (Probe Development Summary for Identification of Novel General Anesthetics), 2323 (Validation apoferritin assay run on SigmaAldrich LOPAC1280 collection)] = Equus caballus PubChem BioAssay data set ():- Ferritin light chain Protein

PubChem BioAssays

ADMET

Autocuration

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Assay Source

Assay Type

Curation

PubChem BioAssay. qHTS Assay for Inhibitors and Substrates of Cytochrome P450 2D6. (Class of assay: confirmatory) [Related pubchem assays: 410] Description Operator Organism Homo sapiens Reference PubChem BioAssay data set ():-Cytochrome P450 2D6 Target Target Mapping Protein Units nM Result group: Component Name Value Activity Type IC50 Assay Source Scientific Literature Assay Type Functional Curation Autocuration Inhibition of inosine/L-alanine-induced Bacillus anthracis Sterne 34F2 spore germination pretreated for 15 mins before inosine/L-alanine challenge Description Operator Reference Antimicrob. Agents Chemother. (2010) 12:5329-5336 Target Mapping Unassigned Units nM Result group: Component Name Value Activity Type IC50 Assav Source Scientific Literature Assay Type Functional Curation Autocuration Antibacterial activity against Bacillus anthracis Sterne 34F2 infected in mouse J774A.1 cells assessed as protection against bacteria-induced cytotoxicity using propidium iodide staining after 3 hrs measured every hours for up to 7 hrs Description Reference Antimicrob. Agents Chemother. (2010) 12:5329-5336 Target Mapping Unassigned Result group: Component Name Value Activity Type Activity Assay Source Scientific Literature ADMET Assay Type Cell Line J774.A1 Curation Autocuration Description Cytotoxicity against mouse J774A1 cells Organism Mus musculus Reference Antimicrob. Agents Chemother. (2010) 12:5329-5336 Target J774.A1 (Macrophage cells) Non-molecula Target Mapping Result group: Component Name Value Activity Type Potency PubChem BioAssays Assay Source Assay Type Functional Curation PubChem BioAssay. qHTS Assay to Find Inhibitors of Chronic Active B-Cell Receptor Signaling. (Class of assay: confirmatory) [Related pubchem assays (depositor defined):AID485345, AID485355] Description Reference PubChem BioAssay data set ():-Target Mapping Units uМ **Data Collection** Note External Searches by Name or CAS **TOXNET CCRIS TOXNET DART ETIC TOXNET EMIC TOXNET GENETOX TOXNET HazMap TOXNET Houshold Products TOXNET HSDB TOXNET MESH Headings TOXNET TOXLINE TOXNET TOXMAP ChemIDPlus Advanced PubMed Cancer PubMed Toxicology NIST Chemistry Webbook**

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